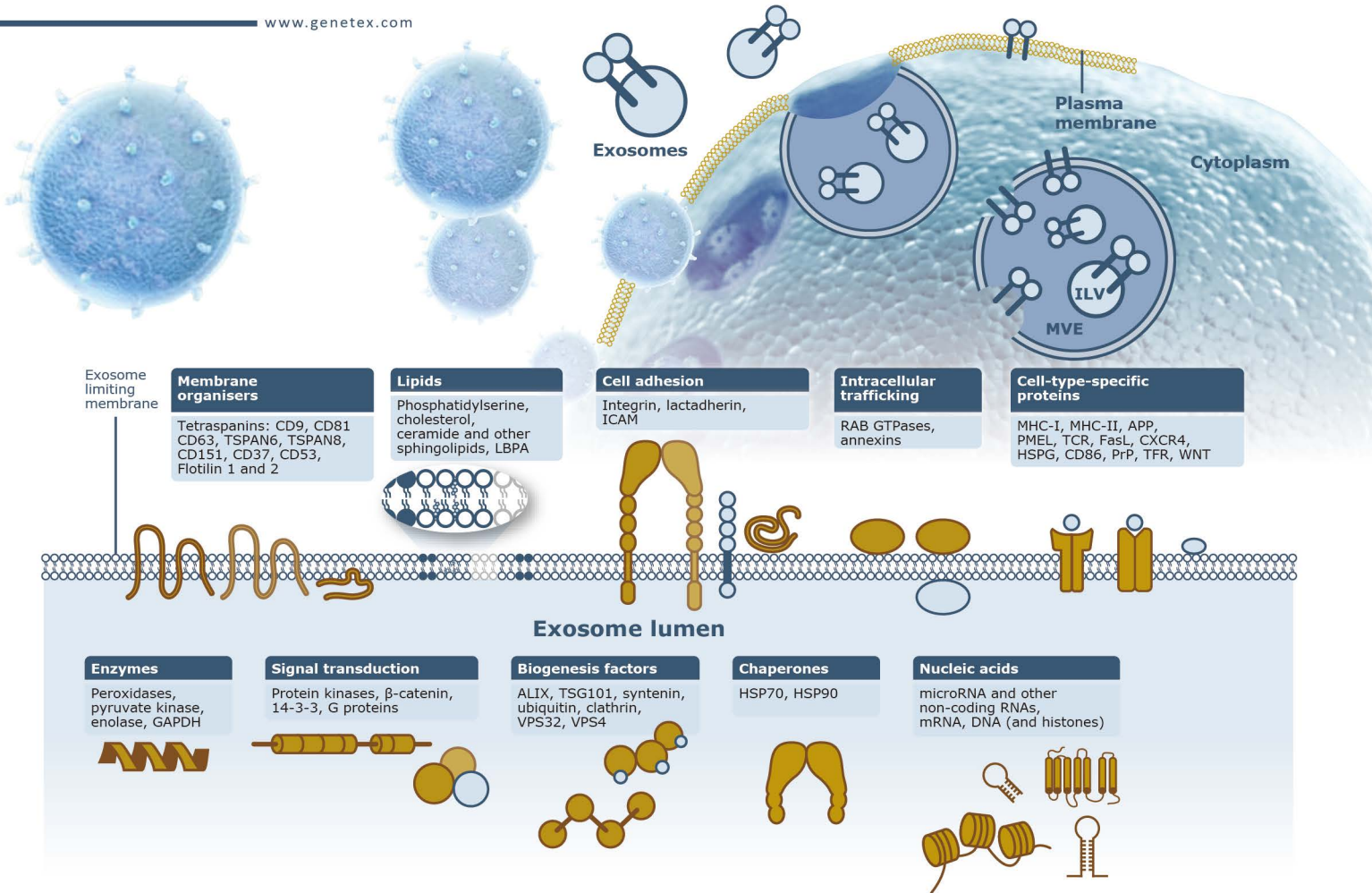


Exosome / Microvesicle Markers

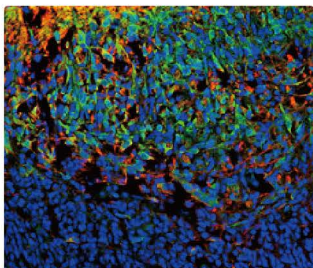
- Your Expertise
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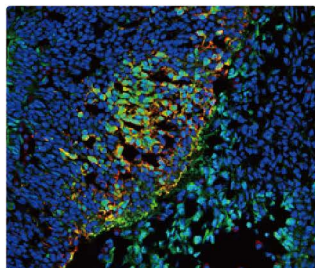


The term “extracellular vesicle” refers to a highly diverse group of membrane-derived, cargo-bearing (e.g., proteins, lipids, nucleic acids) structures that represent an important mode of intercellular communication. Based on the type of membrane from which they originate, extracellular vesicles have been divided into two broad groups: exosomes (derived from inward budding of endosomal membranes in larger structures known as multi-vesicular endosomes (MVEs) and microvesicles (generated from outward budding of the plasma membrane).

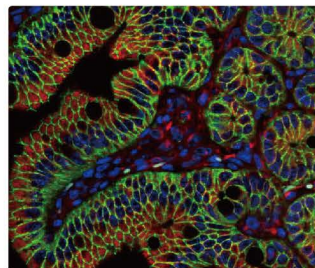
While much is known about microvesicles and exosomes, key aspects of their biogenesis, cargo, release from cells, and targeting to recipient cells remain unclear. Complicating this research is that many features of extracellular vesicles are influenced by cell-type, stimuli from normal or pathological milieus, and the physiological state of the cell. Nevertheless, they are involved in many processes that include coagulation, immune function, and tumorigenesis. Since they are found in biological fluids, there is intense research directed at potentially using extracellular vesicles as biomarkers. Other efforts are being directed at utilizing them to carry compounds or to invoke particular responses in target cells.



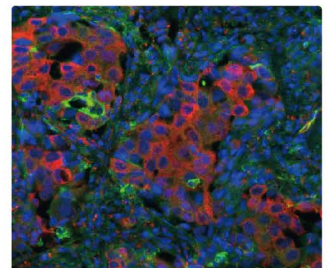
SNAP25 antibody (GTX113839)



VAMP2 antibody (GTX133241)



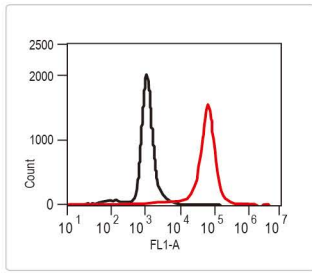
beta Catenin antibody [N1N2-2], N-term (GTX101435)



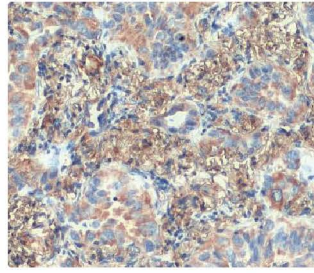
ICAM1 / CD54 antibody [N1C2] (GTX100450)



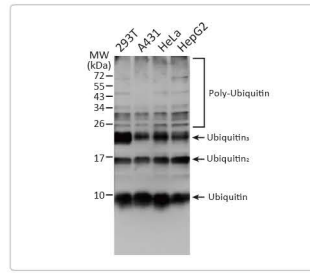
Selected Products



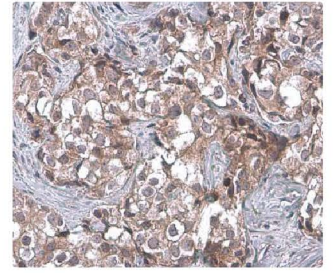
CD81 antibody
(GTX101766)     



































































VPS35 antibody [HL1017]
(GTX635821)  


























































Ubiquitin antibody [GT7811]
(GTX630148)     

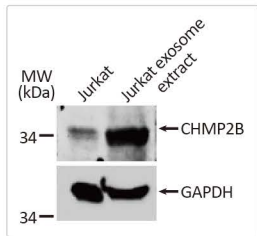


TSG101 antibody [4A10]
(GTX70255)     

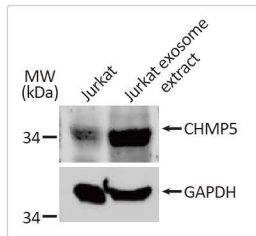
	Cat. No.	Product Name	Clonality	Reactivity	Applications
Membrane Organizer	GTX135296	CD9 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	 GTX129598	CD37 antibody	Rb pAb	Hu	WB
	GTX79942	CD53 antibody [MEM-53] (PE)	Ms mAb	Hu	FACS
	  GTX132953	CD63 antibody	Rb pAb	Hu	WB, IHC-P
	GTX135220	CD63 antibody	Rb pAb	Hu	WB, ICC/IF
	  GTX637264	CD81 antibody [HL1666]	Rec Rb mAb	Hu	WB, ICC/IF
	  GTX101766	CD81 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, FACS, Blocking
	 GTX42394	CD151 antibody [11G5a]	Ms mAb	Hu	WB, IHC-P, IHC-Fr, FACS, IP, ELISA
	  GTX104769	Flotillin 1 antibody [C3], C-term	Rb pAb	Hu,Hm	WB, IP
	 GTX100279	Flotillin 2 antibody [C3], C-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	 GTX114411	Flotillin 2 antibody [N1C1]	Rb pAb	Hu,Ms	WB, IHC-P, IP
	GTX111881	TSPAN6 antibody [C1C3]	Rb pAb	Hu	WB
GTX56175	TM4SF3 / TSPAN8 antibody	Rb pAb	Hu	WB, IHC-P	
Cell Adhesion	  GTX100450	ICAM1 / CD54 antibody [N1C2]	Rb pAb	Hu,Rat	WB, IHC-P
	       GTX636657	Integrin beta 1 / CD29 antibody [HL1255]	Rec Rb mAb	Hu,Ms,Cat,Dog	WB, IHC-P
	      GTX636658	Integrin beta 1 / CD29 antibody [HL1256]	Rec Rb mAb	Hu,Cat,Dog	WB, ICC/IF
	  GTX128839	Integrin beta 1 / CD29 antibody	Rb pAb	Hu,Ms,Rat,Dog	WB, ICC/IF, IHC-P, IHC-Fr, IP
	  GTX112971	Integrin beta 1 / CD29 antibody	Rb pAb	Hu,Ms,Dog	WB, ICC/IF, IHC-P
	 GTX43357	Integrin beta 3 antibody [JM2E5] (FITC)	Ms mAb	Hu,Bov,Dog,Pig,Hrs	ICC/IF, FACS
	  GTX100565	Integrin alpha 6 antibody [N3C2], Internal	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	  GTX100789	Integrin alpha V antibody [C2C3], C-term	Rb pAb	Hu,Ms	WB, IHC-P, ELISA
Intracellular Trafficking	  GTX638119	Annexin A1 antibody [HL2141]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	  GTX101070	Annexin A1 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	 GTX115600	Annexin A10 antibody [N1C1]	Rb pAb	Hu	WB, IHC-P
	GTX100048	Annexin A13 antibody [N1], N-term	Rb pAb	Hu	WB, ICC/IF, IHC-P
	  GTX101902	Annexin II antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	 GTX103330	Annexin III antibody	Rb pAb	Hu,Rat	WB, IHC-P
	 GTX103249	Annexin IV antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P, IP
	  GTX103250	Annexin V antibody	Rb pAb	Hu,Ms,Rat	WB, FACS
	GTX101604	Annexin VI antibody [C2C3], C-term	Rb pAb	Hu,Ms	WB, IHC-P
	GTX105298	Annexin VII antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX119471	Annexin VIII antibody [N2C3]	Rb pAb	Hu	WB, ICC/IF, IHC-P
	  GTX114255	Annexin XI antibody	Rb pAb	Hu	WB, IP
	 GTX101454	Rab 1A antibody [N1C3]	Rb pAb	Hu,Ms,Rat	WB
	GTX106337	RAB2A antibody [C2C3], C-term	Rb pAb	Hu	WB, IHC-P
	  GTX104380	RAB3B antibody [N1C3]	Rb pAb	Hu	WB
	  GTX108610	RAB3C antibody [N1C3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	  GTX108607	RAB4A antibody	Rb pAb	Hu,Ms	WB, IHC-P
	  GTX636971	RAB5A antibody [HL1497]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	  GTX109665	RAB5A antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	  GTX635981	RAB6A antibody [HL1047]	Rec Rb mAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P
  GTX132548	RAB7A antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P	

	Cat. No.	Product Name	Clonality	Reactivity	Applications
Intracellular Trafficking	GTX119095	RAB11B antibody [N1C3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr
	 GTX131055	RAB18 antibody	Rb pAb	Hu	WB
	  GTX119559	RAB20 antibody [N1C3]	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	  GTX118872	RAB26 antibody [N2C3-2]	Rb pAb	Hu,Rat	WB, ICC/IF, IHC-P
	   GTX109180	RAB27A antibody [N1C3]	Rb pAb	Hu	WB, IHC-P
	 GTX130477	RAB32 antibody	Rb pAb	Hu	WB, ICC/IF, IP
	 GTX116390	RAB33B antibody [N2C3]	Rb pAb	Hu,Ms	WB, IHC-P
	GTX120294	RAB35 antibody [N1C3]	Rb pAb	Hu,Ms,Rat,Hm	WB, ICC/IF, IHC-P
SNARE Complex	GTX117823	SNAP23 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	 GTX113839	SNAP25 antibody	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm
	GTX131028	SNAP29 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	 GTX637255	SNAP91 antibody [HL1657]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	GTX102127	VAMP1 antibody	Rb pAb	Hu,Ms	WB, IHC-P
	 GTX634812	VAMP2 antibody [GT6311]	Ms mAb	Ms,Rat	WB, ICC/IF, IHC-P
	 GTX133241	VAMP2 antibody	Rb pAb	Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr
	  GTX132181	VAMP8 antibody	Rb pAb	Hu,Rat	WB
Biogenesis Factors	GTX135282	ALIX antibody	Rb pAb	Hu	WB, IHC-P
	GTX132976	Clathrin Heavy chain antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	 GTX634154	Syntenin 1 antibody [GT1523]	Ms mAb	Hu,Rat	WB, ICC/IF
	  GTX108391	Syntenin 1 antibody [N1], N-term	Rb pAb	Hu,Ms,Zfsh	WB, ICC/IF, IHC-P, IP, ELISA
	GTX117949	Syntenin 2 antibody [N2C3]	Rb pAb	Hu	WB
	    GTX630148	Ubiquitin antibody [GT7811]	Ms mAb	Hu,Ms,Rat	WB, IHC-P
	  GTX128826	Ubiquitin antibody	Rb pAb	Hu,Ms,Rat	WB
	GTX115852	VPS4A antibody [N3C3]	Rb pAb	Hu	WB
	 GTX115249	VPS4B antibody [N3C3]	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX107706	VPS11 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX107716	VPS16 antibody	Rb pAb	Hu	WB, IHC-P
	GTX130176	VPS18 antibody	Rb pAb	Hu	WB, ICC/IF
	  GTX106297	VPS26 antibody [C2C3], C-term	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX116189	VPS29 antibody	Rb pAb	Hu	WB, IHC-P
	  GTX119416	VPS33A antibody [C1C3]	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	   GTX129528	VPS34 antibody	Rb pAb	Hu	WB, IP
	  GTX635821	VPS35 antibody [HL1017]	Rec Rb mAb	Hu,Ms,Rat,Zfsh,Cat,Dog	WB, ICC/IF, IHC-P, IP
	  GTX108058	VPS35 antibody [C3], C-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
GTX102152	VPS72 antibody [N1C1]	Rb pAb	Hu	WB	
 GTX107286	VTA1 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P	
ESCRT-0	 GTX637378	HGS antibody [HL1730]	Rec Rb mAb	Hu,Cat,Dog	WB, ICC/IF, IHC-P
	  GTX101718	HGS antibody [C2C3], C-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	 GTX115060	STAM antibody [N2C2], Internal	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	GTX115382	STAM2 antibody [N1N3]	Rb pAb	Hu	WB
ESCRT-I	   GTX635396	TSG101 antibody [4A10-RB]	Rec Rb mAb	Hu	WB, ICC/IF
	    GTX70255	TSG101 antibody [4A10]	Rec Ms mAb	Hu,Ms,Rat,Zfsh,Dog,Hm,Pig,Mk	WB, ICC/IF, IHC-P, FACS, IP, ELISA, EM, IHC, IHC (Free Floating)
	  GTX118736	TSG101 antibody	Rb pAb	Hu,Ms	WB, IHC-P, IP, ELISA, Sandwich ELISA
	GTX115937	VPS28 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX108053	VPS37C antibody [N1], N-term	Rb pAb	Hu	WB, ICC/IF
ESCRT-II	GTX116124	VPS36 antibody	Rb pAb	Hu,Ms	WB, IHC-P
ESCRT-III	 GTX118181	CHMP2B antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	  GTX106692	CHMP5 antibody [N1C3]	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP
	GTX116824	CHMP6 antibody [N1C3]	Rb pAb	Hu	WB
	 GTX101972	IST1 antibody	Rb pAb	Ms	WB

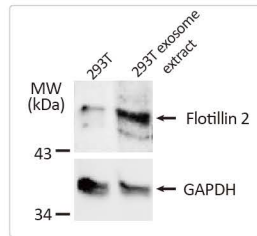
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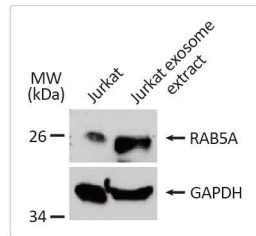
CHMP2B antibody
(GTX118181)



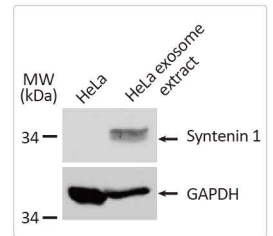
CHMP5 antibody [N1C3]
(GTX106692)



Flotillin 2 antibody [C3],
C-term (GTX100279)



RAB5A antibody
(GTX109665)



Syntenin 1 antibody [N1],
N-term (GTX108391)

Recombinant
 Citation Support
 KO/KD Validation
 Comparable Abs
 Orthogonal Validation
 Protein Overexpression

	Cat. No.	Product Name	Clonality	Reactivity	Applications
Enzymes	GTX630506	ENO1 antibody [GT186]	Ms mAb	Hu,Rat	WB
	GTX101803	ENO1 antibody [N3C3]	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P, IHC-Wm, Dot
	GTX637966	GAPDH antibody [HL2062]	Rec Rb mAb	Hu,Ms,Rat,Zfsh,Cat,Dog	WB
	GTX627408	GAPDH antibody [GT239]	Ms mAb	Hu,Ms,Rat,Zfsh,Yeast,Dm, Dog,Pig,Mk,C. albicans,E. coli	WB, ICC/IF, IHC-P, EMSA
	GTX100118	GAPDH antibody	Rb pAb	Hu,Ms,Rat,Zfsh,Yeast,Rb,Dm, Bov,Dog,Hm,Chk,Pig,Mk, C. elegans,E. coli,Mosq, Nematode,Pika,Plant,Fish, Bacteria,Insect,milkfish	WB, ICC/IF, IHC-P, IP
	GTX107546	Pyruvate Kinase (liver/RBC) antibody	Rb pAb	Hu,Ms,Rat	WB
Chaperones	GTX111536	Pyruvate Kinase (liver/RBC) antibody	Rb pAb	Hu,Rat	WB, ICC/IF, IHC-P
	GTX637059	Hsp70 antibody [HL1580]	Rec Rb mAb	Hu,Ms,Rat,Cat,Dog	WB, ICC/IF, IHC-P
	GTX637301	Hsp70 antibody [HL1702]	Rec Rb mAb	Hu,Ms,Rat	WB
	GTX111088	Hsp70 antibody	Rb pAb	Hu,Ms,Rat,Mk,C. elegans	WB, ICC/IF, IHC-P, IP
	GTX112963	Hsp70 antibody	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P, IHC-Wm
	GTX109753	Hsp90 alpha antibody	Rb pAb	Hu,Ms,Rat,Dm,Mk,Nematode	WB, ICC/IF, IHC-P, IP
Signal Transduction	GTX101448	Hsp90 beta antibody	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P, IHC-Wm, IP, ELISA-Ag
	GTX637403	beta Catenin antibody [HL1753]	Rec Rb mAb	Hu,Ms,Cat,Dog	WB, ICC/IF, IHC-P
	GTX632676	beta Catenin antibody [GT3171]	Ms mAb	Hu,Ms,Cat,Dog	WB, ICC/IF, IHC-P
	GTX101435	beta Catenin antibody [N1N2-2], N-term	Rb pAb	Hu,Ms,Rat,Zfsh,Rb,Cat,Dog	WB, ICC/IF, IHC-P, IHC-Wm, FACS, IP, ChIPassay, IHC
	GTX133736	14-3-3 antibody	Rb pAb	Hu,Ms	WB
	GTX113296	14-3-3 beta antibody [N1C2]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	GTX109090	14-3-3 epsilon antibody [N1C3]	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP
	GTX113577	14-3-3 eta antibody [N1C3]	Rb pAb	Hu	WB
	GTX113298	14-3-3 gamma antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	GTX100801	14-3-3 sigma antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP
	GTX100289	14-3-3 sigma antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	Cell type-specific proteins	GTX102199	14-3-3 theta antibody	Rb pAb	Hu,Ms,Zfsh
GTX101075		14-3-3 zeta antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX112677		APP antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, ELISA
GTX101336		APP antibody [C2C3], C-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr
GTX635160		beta Amyloid (1-42) antibody – Conformation Specific antibody [G1622]	Ms mAb	Hu,Ms	IHC-P, Dot, ELISA, Sandwich ELISA
GTX134510		beta Amyloid (1-42) antibody – Conformation Specific	Rb pAb	Hu,Ms	IHC-P, Dot, ELISA, Sandwich ELISA
GTX129719		CXCR4 antibody	Rb pAb	Hu	WB
GTX100644		Fas Ligand antibody [N2C1], Internal	Rb pAb	Hu	WB
	GTX101063	Prion Protein (PrP) antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX110441	TFR2 antibody [N3C2], Internal	Rb pAb	Hu	WB, IHC-P
	GTX128098	Wnt2 antibody	Rb pAb	Ms	WB
	GTX128099	Wnt2b antibody	Rb pAb	Hu	WB

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