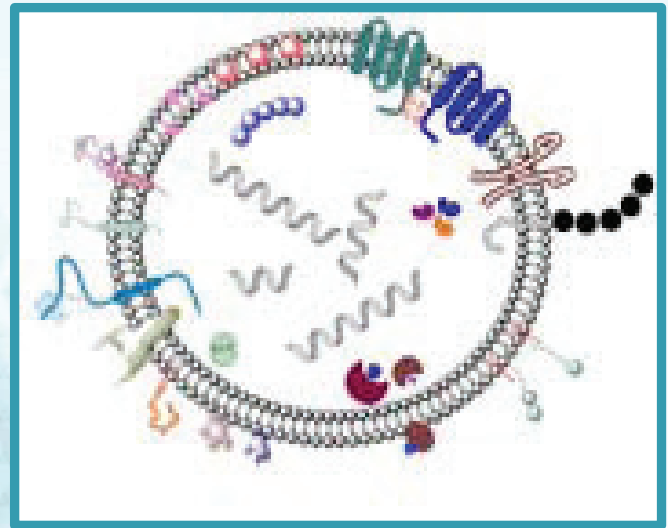


Antibodies for EXOSOME research

Exosomes are small vesicles secreted by a wide range of mammalian cell types and they have been detected in various biologic fluids such as urine, cerebrospinal fluid, saliva, breast milk and serum.

Exosomes secreted by cells under normal and pathological conditions contain proteins and functional RNA molecules including mRNA and miRNA, which can be shuttled from one cell to another, affecting the recipient cell's protein production.



Exosomes play important role in cancer biology, in cell-to-cell communication and in immune system modulation. It's known that circulating exosome levels are elevated in diseased states such as ovarian cancer, lung cancer and melanoma

Hundreds of proteins are present in Exosomes and Primm carries approx. 90 polyclonal mouse antibodies against human proteins present in Exosome

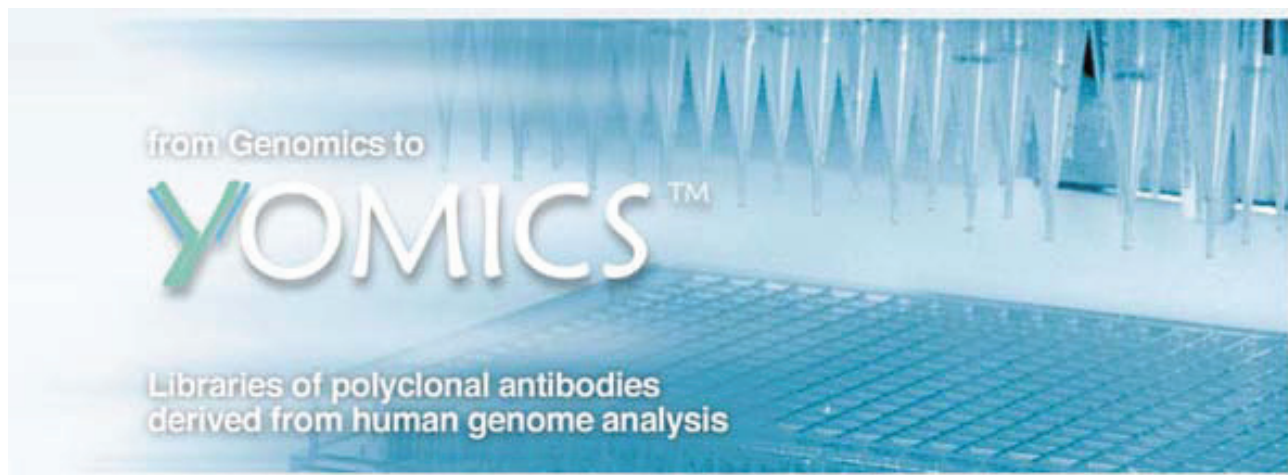
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MOUSE POLYCLONAL ANTIBODIES AGAINST HUMAN EXOSOME PROTEINS AVAILABLE IN 40ul SIZE*		
YOMICS CODE	NAME	CODE
981-YOM	solute carrier family 5 (sodium/glucose cotransporter), member 10	SLC5A10
1013-YOM	solute carrier family 5 (sodium/glucose cotransporter), member 10	SLC5A10
1422-YOM	solute carrier family 5 (sodium/glucose cotransporter), member 10	SLC5A10
1062-YOM	chromosome 16 open reading frame 89	C16orf89
1081-YOM	KIAA1529	KIAA1529
307-YOM	peptidase M20 domain containing 1	PM20D1
1091-YOM	peptidase M20 domain containing 1	PM20D1
1168-YOM	chromosome 17 open reading frame 80	C17orf80
1175-YOM	family with sequence similarity 3, member B	FAM3B
1192-YOM	solute carrier family 44, member 2	SLC44A2
1206-YOM	chromosome 20 open reading frame 107	C20orf106
1215-YOM	torsin family 3, member A	TOR3A
1234-YOM	glycerophosphodiester phosphodiesterase domain containing 3	GDPD3
1235-YOM	thrombospondin, type I, domain containing 4	THSD4
92-YOM	CD86 molecule	CD86
126-YOM	CD86 molecule	CD86
614-YOM	CD86 molecule	CD86
769-YOM	LOC440786	LOC440786
1296-YOM	LOC440786	LOC440786
1332-YOM	LOC440786	LOC440786
1333-YOM	LOC440786	LOC440786
21-YOM	transferrin receptor (p90, CD71)	TFRC
134-YOM	transferrin receptor (p90, CD71)	TFRC
135-YOM	transferrin receptor (p90, CD71)	TFRC
1-YOM	CD2 molecule	CD2
136-YOM	CD2 molecule	CD2
545-YOM	sushi domain containing 2	SUSD2
1460-YOM	sushi domain containing 2	SUSD2
153-YOM	alpha-1-B glycoprotein	A1BG
1580-YOM	transmembrane 7 superfamily member 3	TM7SF3
158-YOM	CD80 molecule	CD80
602-YOM	CD80 molecule	CD80
1593-YOM	transmembrane protein 2	TMEM2
1596-YOM	protease, serine, 23	PRSS23
1600-YOM	carboxypeptidase, vitellogenic-like	CPVL
1635-YOM	vasorin	VASN
1639-YOM	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G	SEMA3G
163-YOM	complement factor H-related 3	CFHR3
1658-YOM	chromosome 20 open reading frame 70	C20orf70
1662-YOM	hyaluronan and proteoglycan link protein 3	HAPLN3
1667-YOM	prominin 2	PROM2
1681-YOM	solute carrier family 26, member 11	SLC26A11
1689-YOM	matrix-remodelling associated 8	MXRA8
1702-YOM	secreted and transmembrane 1	SECTM1
633-YOM	interferon induced transmembrane protein 3 (1-8U)	IFITM3
1707-YOM	interferon induced transmembrane protein 3 (1-8U)	IFITM3
1744-YOM	leucine proline-enriched proteoglycan (Iprecan) 1	LEPRE1
1771-YOM	chromosome 20 open reading frame 114	C20orf114
1805-YOM	arylsulfatase F	ARSF
1815-YOM	tetraspanin 6	TSPAN6
1833-YOM	EPS8-like 1	EPS8L1
1846-YOM	tubulointerstitial nephritis antigen-like 1	TINAGL1
1850-YOM	solute carrier family 44, member 4	SLC44A4
1866-YOM	clarin 3	CLRN3
1911-YOM	family with sequence similarity 20, member A	FAM20A
1920-YOM	solute carrier family 39 (metal ion transporter), member 5	SLC39A5
1950-YOM	KIAA1199	KIAA1199
20-YOM	protein tyrosine phosphatase, receptor type, C	PTPRC

97-YOM	protein tyrosine phosphatase, receptor type, C	PTPRC
262-YOM	cysteine-rich secretory protein LCCL domain containing 1	CRISPLD1
285-YOM	transmembrane protein 38A	TMEM38A
286-YOM	chitinase domain containing 1	CHID1
295-YOM	fibrinogen-like 2	FGL2
34-YOM	sphingomyelin phosphodiesterase, acid-like 3B	SMPDL3B
368-YOM	chromosome 19 open reading frame 18	C19orf18
394-YOM	family with sequence similarity 151, member A	FAM151A
427-YOM	Thy-1 cell surface antigen	THY1
429-YOM	prominin 1	PROM1
431-YOM	prominin 1	PROM1
532-YOM	prominin 1	PROM1
435-YOM	folate hydrolase (prostate-specific membrane antigen) 1	FOLH1
475-YOM	folate hydrolase (prostate-specific membrane antigen) 1	FOLH1
530-YOM	folate hydrolase (prostate-specific membrane antigen) 1	FOLH1
43-YOM	family with sequence similarity 20, member C	FAM20C
441-YOM	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	ERBB2
473-YOM	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	ERBB2
517-YOM	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	ERBB2
454-YOM	chemokine (C-X-C motif) receptor 4	CXCR4
455-YOM	solute carrier family 46, member 3	SLC46A3
467-YOM	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	EGFR
476-YOM	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	EGFR
477-YOM	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	EGFR
470-YOM	butyrophilin, subfamily 1, member A1	BTN1A1
471-YOM	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	MME
53-YOM	C1q and tumor necrosis factor related protein 1	C1QTNF1
559-YOM	thioredoxin domain containing 16	TXNDC16
582-YOM	multiple EGF-like-domains 8	MEGF8
583-YOM	FAT tumor suppressor homolog 2 (Drosophila)	FAT2
646-YOM	transmembrane protease, serine 11B	TMPRSS11B
65-YOM	CD40 molecule, TNF receptor superfamily member 5	CD40
660-YOM	nephronectin	NPNT
734-YOM	solute carrier family 26, member 9	SLC26A9
735-YOM	chromosome 12 open reading frame 59	C12orf59
796-YOM	vitelline membrane outer layer 1 homolog (chicken)	VMO1
987-YOM	meteorin, glial cell differentiation regulator-like	METRNL

*According to ExoCarta data base <http://exocarta.ludwig.edu.au>



Our collection of almost 2,000 polyclonal antibodies generated against **uncharacterized human transmembrane or secreted proteins**. The antibodies were made at Primm facility using recombinant protein antigens produced from genes coding for putative transmembrane/secreted proteins. The human genome codes for almost 10,000 proteins which



can be either secreted or membrane associated. Of those, approximately 2,000 are still poorly characterized or unknown proteins. Primm has isolated the cDNA coding for each of those 2,000 proteins, expressed them as His Tag fusions and used the

recombinant antigen to generate mouse polyclonal antibodies. Our collection is pretty unique. Very likely you may find antibodies not available from other vendors simply because our approach is directed toward the **uncharacterized human proteins**. Proteins from different species will also be included. Due to the extensive list, we have structured a search engine that helps you to access to our list of mouse polyclonals and identify those of your interest. You can search for antibodies providing gene names, public databases codes (NCBI, Ensemble, Uniprot, etc.) or even amino-acid sequence of the antigen. With the antigen sequence search mode you can simply paste an amino-acid sequence of at least 20 amino-acids and our search engine will scan our collection to see whether we have a polyclonal antibody that recognizes your sequence. You can thus enter a small peptide sequence or a full length protein or a partial protein domain. The alternative search mode is based on keywords or ID codes from public protein/gene databases.



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