

Rabbit anti-Human MPP1 Polyclonal Antibody | anti-MPP1 antibody

MPP1 Antibody (Center)

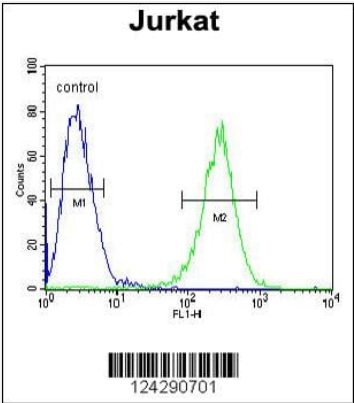
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285306	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

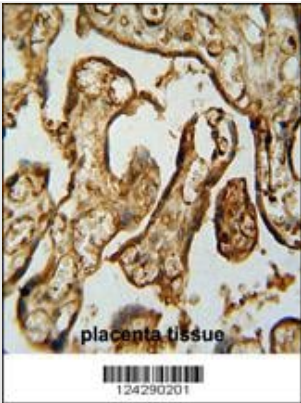
MPP1; Polyclonal Antibody; MPP1 Antibody (Center); 55 kDa erythrocyte membrane protein; p55; Membrane protein; palmitoylated 1; DXS552E; EMP55; anti-MPP1 antibody

PRODUCT SPECIFICATIONS

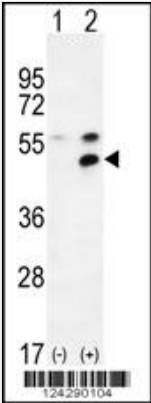
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MPP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 301-327 amino acids from the Central region of human MPP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	301-327
Sequence Length	446
Applicable Applications for anti-MPP1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



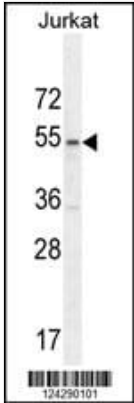
FCM/FACS (Flow Cytometry)
MPP1 Antibody (Center) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
MPP1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MPP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MPP1 (arrow) using rabbit polyclonal MPP1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MPP1 gene.



WB (Western Blot)
MPP1 Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MPP1 antibody detected the MPP1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MPP1 antibody	This gene encodes the prototype of the membrane-associated guanylate kinase (MAGUK) family proteins. MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intercellular junctions. The encoded protein is an extensively palmitoylated membrane phosphoprotein containing a PDZ domain, a Src homology 3 (SH3) motif, and a guanylate kinase domain. This gene product interacts with various cytoskeletal proteins and cell junctional proteins in different tissue and cell types, and may be involved in the regulation of cell shape, hair cell development, neural patterning of the retina, and apico-basal polarity and tumor suppression pathways in non-erythroid cells. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MPP1 antibody	Cardiovascular; Signal Transduction
References	Seo, P.S., et al. Exp. Biol. Med. (Maywood) 234(3):255-262(2009) Seo, P.S., et al. Biochim. Biophys. Acta 1793(2):281-289(2009) Gosens, I., et al. Hum. Mol. Genet. 16(16):1993-2003(2007) Kusunoki, H., et al. Proteins 64(3):804-807(2006) Funke, L., et al. Annu. Rev. Biochem. 74, 219-245 (2005) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	262118255
NCBI GeneID	4354
NCBI Accession #	NP_001159932.1; NP_001159933.1; NP_001159934.1; NP_002427.1
NCBI GenBank Nucleotide #	NM_001166460.1
UniProt Accession #	Q00013; Q2TSB6; Q5J7V5; B4DZV5; G3XAI1
Molecular Weight	52296
NCBI Official Full Name	55 kDa erythrocyte membrane protein isoform 2
NCBI Official Synonym Full Names	membrane protein, palmitoylated 1, 55kDa
NCBI Official Symbol	MPP1
NCBI Official Synonym Symbols	MRG1; PEMP; AAG12; EMP55; DXS552E
NCBI Protein Information	55 kDa erythrocyte membrane protein
UniProt Protein Name	55 kDa erythrocyte membrane protein
UniProt Gene Name	MPP1
UniProt Synonym Gene Names	DXS552E; EMP55; p55
UniProt Entry Name	EM55_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mpp1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285306>