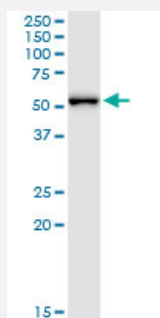


MPP1 monoclonal antibody (M01), clone 1E11-1G11

Catalog # H00004354-M01

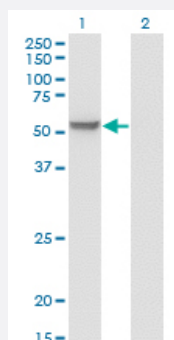
Size 100 ug

Applications



Western Blot (Tissue lysate)

MPP1 monoclonal antibody (M01), clone 1E11-1G11. Western Blot analysis of MPP1 expression in human placenta.

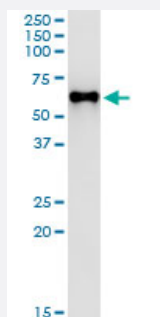


Western Blot (Transfected lysate)

Western Blot analysis of MPP1 expression in transfected 293T cell line by MPP1 monoclonal antibody (M01), clone 1E11-1G11.

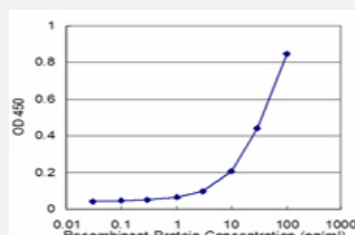
Lane 1: MPP1 transfected lysate (Predicted MW: 52.3 KDa).

Lane 2: Non-transfected lysate.



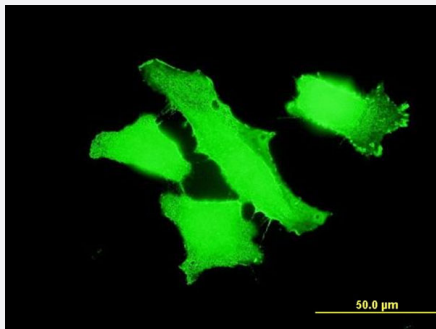
Immunoprecipitation

Immunoprecipitation of MPP1 transfected lysate using anti-MPP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MPP1 monoclonal antibody.



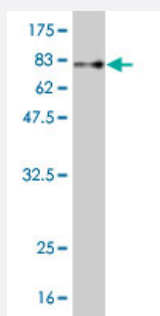
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MPP1 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MPP1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (77 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MPP1.
Immunogen	MPP1 (AAH02392, 1 a.a. ~ 466 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTLKASEGESGGSMHTALSDLYLEHLLQKRSRPEAVSHPLNTVTEDMYTNGSPAPGSPAQVKG QEVRKVRLIQFEKVTEPMGITLKLNEKQSCTVARILHGGMIHRQGSLHVGDILEINGTNVTNHSV DQLQKAMKETKGMISLKVIPNQQSRLPALQMFMRQFDYDPKKDNLIPCKEAGLK FATGDIIQIINK DDSNWWQGRVEGSSKESAGLIPSELQEWVRVASMAQSAPSEAPSCSPFGKKKKYKDKYLAKH SSIFDQLDVVSYYEEVRLPAFKRKTLVLIGASGVGRSHIKNALLSQNPEKFVYPVPYTRPPRKSE EDGKEYHFISTEEMTRNISANEFLEFGSYQGNMFGTKFETVHQIHKQNKIALDIEPQTLKIVRTAELS PFVFIAPTDQGTQTEALQQLQKDSEAIRSQYAHYFDLSLVNNGVDETLKKLQEAFDQACSSPQW VPVSWVY
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (77 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

MPP1 monoclonal antibody (M01), clone 1E11-1G11. Western Blot analysis of MPP1 expression in human placenta.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MPP1 expression in transfected 293T cell line by MPP1 monoclonal antibody (M01), clone 1E11-1G11.

Lane 1: MPP1 transfected lysate (Predicted MW: 52.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MPP1 transfected lysate using anti-MPP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MPP1 monoclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MPP1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MPP1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MPP1

Entrez GeneID	4354
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GeneBank Accession#	BC002392
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Protein Accession#	AAH02392
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Gene Name	MPP1
Gene Alias	AAG12, DXS552, DXS552E, EMP55, MRG1, PEMP
Gene Description	membrane protein, palmitoylated 1, 55kDa
Omim ID	305360
Gene Ontology	Hyperlink
Gene Summary	Palmitoylated membrane protein 1 is the prototype of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. Palmitoylated membrane protein 1 contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. [provided by RefSeq]
Other Designations	OTTHUMP00000026054 aging-associated gene 12 erythrocyte membrane protein p55 membrane protein, palmitoylated 1 (55kD) palmitoylated membrane protein 1

Publication Reference

- [MPP1 Determines the Mobility of Flotillins and Controls the Confinement of Raft-Associated Molecules.](#)

Agnieszka Biernatowska, Karolina Wójtowicz, Tomasz Trombik, Aleksander F Sikorski, Aleksander Czogalla.

Cells 2022 Jan; 11(3):311.

Application: IF, Human, HEL cells

- [The microdomain-organizing protein MPP1 is required for insulin-stimulated activation of H-Ras.](#)

Podkalicka J, Biernatowska A, Olszewska P, Tabaczar S, Sikorski AF.

Oncotarget 2018 Apr; 9(26):18410.

Application: WB, Human, MPP1 KnD, SC cultures