

MMD Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5167a

Product Information

Application	WB, FC, E
Primary Accession	Q15546
Other Accession	Q719N3 , Q9CQY7
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26094
Calculated MW	27667
Antigen Region	1-30

Additional Information

Gene ID	23531
Other Names	Monocyte to macrophage differentiation factor, Progesterin and adipoQ receptor family member 11, Progesterin and adipoQ receptor family member XI, MMD, PAQR11
Target/Specificity	This MMD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MMD.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MMD Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MMD (HGNC:7153)
Function	Involved in the dynamics of lysosomal membranes associated with

microglial activation following brain lesion.

Cellular Location

Late endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein

Tissue Location

Exhibits relatively ubiquitous expression with preferential expression in mature (in vitro differentiated) macrophages.

Background

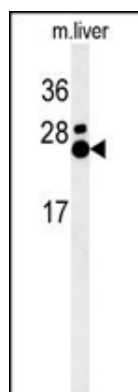
MMD is expressed by in vitro differentiated macrophages but not freshly isolated monocytes. Although sequence analysis identifies seven potential transmembrane domains, this protein has little homology to G-protein receptors and it has not been positively identified as a receptor. A suggested alternative function is that of an ion channel protein in maturing macrophages.

References

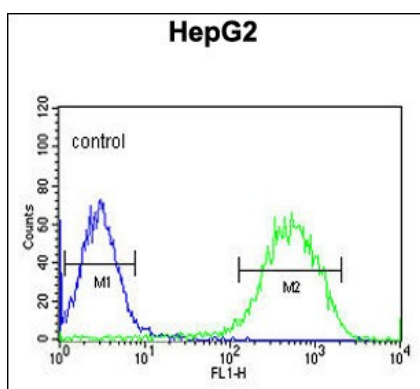
Tang, Y.T., et al. J. Mol. Evol. 61(3):372-380(2005)

Rehli, M., et al. Biochem. Biophys. Res. Commun. 217(2):661-667(1995)

Images



Western blot analysis of MMD Antibody (N-term) (Cat. #AP5167a) in mouse liver tissue lysates (35ug/lane).MMD (arrow) was detected using the purified Pab.



MMD Antibody (N-term) (Cat. #AP5167a) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.