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SMPDL3B Rabbit pAb

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Catalog # AP54917

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q92485
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50814
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SMPDL3B
Epitope Specificity	181-280/455
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Located on chromosome 1, this gene encodes for acid sphingomyelinase like phosphodiesterase 3b precursor protein.

Additional Information

Gene ID	27293
Other Names	Acid sphingomyelinase-like phosphodiesterase 3b, ASM-like phosphodiesterase 3b, 3.1.4.-, SMPDL3B, ASML3B, ASMLPD
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SMPDL3B
Synonyms	ASML3B, ASMLPD
Function	Lipid-modulating phosphodiesterase (PubMed: 26095358). Active on the

	surface of macrophages and dendritic cells and strongly influences macrophage lipid composition and membrane fluidity. Acts as a negative regulator of Toll-like receptor signaling (By similarity). Has in vitro phosphodiesterase activity, but the physiological substrate is unknown (PubMed:26095358). Lacks activity with phosphocholine-containing lipids, but can cleave CDP-choline, and can release phosphate from ATP and ADP (in vitro) (By similarity).
Cellular Location	Secreted. Cell membrane {ECO:0000250|UniProtKB:P58242}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P58242}

Background

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