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SMPDL3B antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10573

Product Information

Application	WB, IHC
Primary Accession	Q92485
Other Accession	NM_014474, NP_055289
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50814

Additional Information

Gene ID	27293
Alias Symbol	ASML3B
Other Names	Acid sphingomyelinase-like phosphodiesterase 3b, ASM-like phosphodiesterase 3b, 3.1.4.-, SMPDL3B, ASML3B
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SMPDL3B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SMPDL3B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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}

References

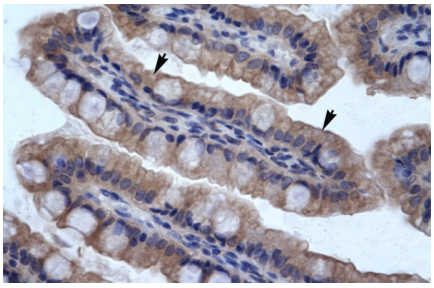
Strausberg,R.L., et al., (2002) Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-SMPDL3B Antibody Titration: .2-1 ug/ml
Positive Control: Raji cell lysate

SMPDL3B is supported by BioGPS gene expression data to be expressed in Raji



Human Intestine

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