

Rabbit STOML2 Polyclonal Antibody | anti-STOML2 antibody

STOML2 Antibody

CATALOG # AAA322837	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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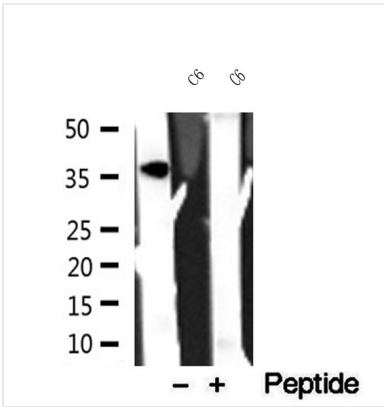
PRODUCT SYNONYMS

STOML2; Polyclonal Antibody; STOML2 Antibody; EPB72 like protein 2; EPB72-like protein 2; HSPC108; OTTHUMP00000021320; Paraprotein target 7; Paratarg 7; SLP 2; SLP-2; SLP2; STML2_HUMAN; Stomatin (EPB72) like 2; Stomatin like 2; Stomatin like protein 2; mitochondrial; Stomatin-like protein 2; anti-STOML2 antibody

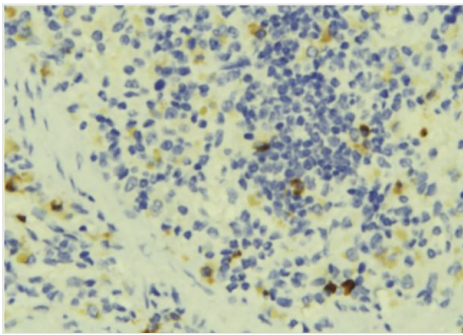
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STOML2 antibody detects endogenous levels of STOML2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	311
Applicable Applications for anti-STOML2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STOML2.
Subcellular Location	Membrane. Cytoplasm. Cytoplasm > Cytoskeleton. Associated with the cytoskeleton.
Tissue Specificity	Ubiquitously expressed at low levels. Expressed in lymphoid tissues (at protein level).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of C6 cells, using STOML2 antibody.



IHC (Immunohistochemistry)
AAA322837 at 1/100 staining Human lymph tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-STOML2 antibody	Function: Mitochondrial protein that probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. Through regulation of the mitochondrial function may play a role into several biological processes including cell migration, cell proliferation, T-cell activation, calcium homeostasis and cellular response to stress. May play a role in calcium homeostasis through negative regulation of calcium efflux from mitochondria. Required for mitochondrial hyperfusion a pro-survival cellular response to stress which results in increased ATP production by mitochondria. May also regulate the organization of functional domains at the plasma membrane and play a role in T-cell activation through association with the T-cell receptor signaling complex and its regulation. Subunit Structure: Forms homooligomers. Interacts with MFN2; may form heterooligomers. Interacts with CACNA2D2 (By similarity). Interacts with PHB and PHB2; recruits them to cardiolipin-enriched mitochondrial membranes and stabilizes them. Post-translational Modifications: Hyperphosphorylated at Ser-17 in some patients with monoclonal gammopathy of undetermined significance (MGUS), multiple myeloma (MM) and Waldenstrom macroglobulinemia due to impaired dephosphorylation by PP2A. Similarity: Belongs to the band 7/mec-2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	559098406
NCBI GeneID	30968
NCBI Accession #	NP_001273960.1
NCBI GenBank Nucleotide #	NM_001287031.1
UniProt Accession #	Q9UJZ1; O60376; Q53G29; Q96FY2; Q9P042; B4E1K7; D3DRN3
Molecular Weight	Observed: 39 kDa Predicted: 39 kDa
NCBI Official Full Name	stomatin-like protein 2, mitochondrial isoform b
NCBI Official Synonym Full Names	stomatin like 2
NCBI Official Symbol	STOML2
NCBI Official Synonym Symbols	SLP-2; HSPC108
NCBI Protein Information	stomatin-like protein 2, mitochondrial
UniProt Protein Name	Stomatin-like protein 2, mitochondrial

UniProt Gene Name	STOML2
UniProt Synonym Gene Names	SLP2; SLP-2; Paratarg-7

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/stoml2-antibody-immunohistochemistry-western-blot-elisa/322837>