



Rabbit Anti-STOM antibody

SL10443R

Product Name:	STOM
Chinese Name:	红The cell membrane蛋白STOM抗体
Alias:	BND7; EPB7; EPB72; Erythrocyte band 7 integral membrane protein; Erythrocyte membrane protein band 7.2 (stomatin); Protein 7.2b; STOM; STOM_HUMAN; Stomatin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	32kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human STOM:61-150/288
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of a highly conserved family of integral membrane proteins. The encoded protein localizes to the cell membrane of red blood cells and other cell types, where it may regulate ion channels and transporters. Loss of localization of the encoded protein is associated with hereditary stomatocytosis, a form of hemolytic anemia. There is a pseudogene for this gene on chromosome 6. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Function:

Thought to regulate cation conductance. May regulate ACCN1 and ACCN3 gating.

Subunit:

Homooligomer containing between 9 and 12 monomers. Interacts with ASIC1, ASIC2 and ASIC3. Interacts with LANCL1.

Subcellular Location:

Cell membrane. Cell membrane. Melanosome. Exposed on the cytoplasmic surface of the membrane. Associated with lipid rafts. Concentrates preferentially in plasma membrane protrusions and in a juxta-nuclear region which may represent Golgi-derived vesicles. Colocalizes with actin. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the band 7/mec-2 family.

SWISS:

P27105

Gene ID:

2040

Database links:

[Entrez Gene: 2040](#) Human

[Entrez Gene: 13830](#) Mouse

[Entrez Gene: 296655](#) Rat

[Omim: 133090](#) Human

[SwissProt: P27105](#) Human

[SwissProt: P54116](#) Mouse

[Unigene: 253903](#) Human

[Unigene: 295284](#) Mouse

[Unigene: 229238](#) Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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