

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.

Research Area Cell biology Neurobiology Channel protein The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Dog, Pig, Cow, Sheep,)

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Applications (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 32kDa

Cellular localization cytoplasmic The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human STOM: 61-150/288

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product This gene encodes a member of a highly conserved family of integral membrane proteins. The

Detail

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



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[SwissProt: P54116](#) Mouse

[Unigene: 253903](#) Human

[Unigene: 295284](#) Mouse

[Unigene: 229238](#) Rat