

**STOM Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20729a****Specification**

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**STOM Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P27105</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

**STOM Antibody (N-term) - Additional Information****Gene ID** 2040**Other Names**

Erythrocyte band 7 integral membrane protein, Protein 72b, Stomatin, STOM, BND7, EPB72

**Target/Specificity**

This STOM antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-36 amino acids from the N-terminal region of human STOM.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

STOM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**STOM Antibody (N-term) - Protein Information****Name** STOM ([HGNC:3383](#))**Function** Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity.**Cellular Location**

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell membrane; Lipid-anchor; Cytoplasmic side. Membrane raft. Melanosome. Cytoplasmic vesicle {ECO:0000250|UniProtKB:P54116}. Note=Localizes to juxtanuclear structure probably derived from the Golgi apparatus (PubMed:9243190) Colocalizes with cortical actin microfilaments at small plasma membrane protrusions (PubMed:9243190). Associates with alpha-granular lipid rafts (PubMed:12130500). Translocates from the alpha-granular lipid rafts to the cell membrane on thrombin activation and selectively enriched in released microvesicles (PubMed:12130500). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545).

#### Tissue Location

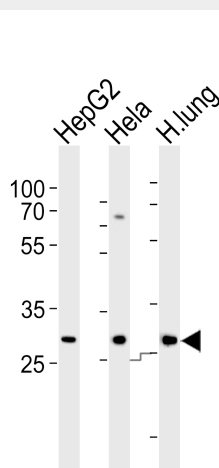
Detected in erythrocytes (at protein level). Widely expressed.

### STOM Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### STOM Antibody (N-term) - Images



Western blot analysis of lysates from HepG2, HeLa cell line and human lung tissue lysate (from left to right), using STOM Antibody (N-term) (Cat. #AP20729a). AP20729a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

### STOM Antibody (N-term) - Background

Thought to regulate cation conductance. May regulate ASIC2 and ASIC3 gating (By similarity).

**STOM Antibody (N-term) - References**

Hiebl-Dirschmied C.M.,et al.Biochim. Biophys. Acta 1090:123-124(1991).  
Stewart G.W.,et al.Blood 79:1593-1601(1992).  
Unfried I.,et al.Genomics 30:521-528(1995).  
Gallagher P.G.,et al.J. Biol. Chem. 270:26358-26363(1995).  
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.