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STOM Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5370

Specification

STOM Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P27105
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=32,13 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

STOM Antibody (N-term) - Additional Information

Gene ID 2040

Antigen Region
2-36

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

Dilution
WB~~1:1000

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.

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).

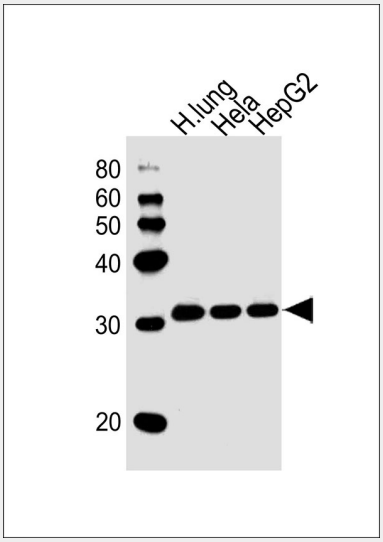
Tissue Location
Detected in erythrocytes (at protein level). Widely expressed.

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 Cytomety
- Cell Culture

STOM Antibody (N-term) - Images



All lanes : Anti-STOM Antibody (N-term) at 1/1000 dilution Lane 1: human lung lysates Lane 2: Hela whole cell lysates Lane 3: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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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.