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STOM antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14668

Product Information

Application	WB, IF
Primary Accession	P27105
Other Accession	NM_004099, NP_004090
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31731

Additional Information

Gene ID	2040
Alias Symbol	BND7, EPB7, EPB72
Other Names	Erythrocyte band 7 integral membrane protein, Protein 7.2b, Stomatin, STOM, BND7, EPB72
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-STOM antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	STOM antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

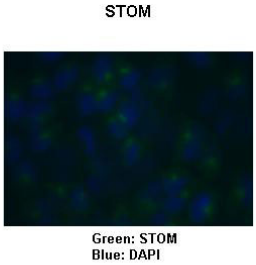
Name	STOM (HGNC:3383)
Function	Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity.
Cellular Location	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell membrane; Lipid-anchor; Cytoplasmic side. Membrane raft. 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.

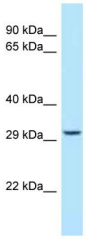
References

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.

Images



Sample Type : HeLa cells
Primary Antibody Dilution : 1:150
Secondary Antibody : Goat anti-rabbit-Alexa Fluor 488
Secondary Antibody Dilution : 1:800 Color/Signal Descriptions : Green: STOMBlue: DAPI
Gene Name : STOM Submitted by : COCOLA Cinzia, Stem Cell Biology and Cancer Research Unit



WB Suggested Anti-STOM Antibody Titration: 1.0 µg/ml
Positive Control: Hela Whole CellSTOM is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells