

Stomatin Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3944a**Specification**

Stomatin Antibody (N-Term) - Product Information

Application	WB, IHC, E
Primary Accession	P27105
Other Accession	NP_004090.4 , NP_937837.1 , 2040
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	31731

Stomatin Antibody (N-Term) - Additional Information**Gene ID** 2040**Other Names**

Erythrocyte band 7 integral membrane protein, Protein 7.2b, Stomatin, STOM, BND7, EPB72

DilutionWB~~1:1000
IHC~~1:100~500
E~~N/A**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

Stomatin 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).

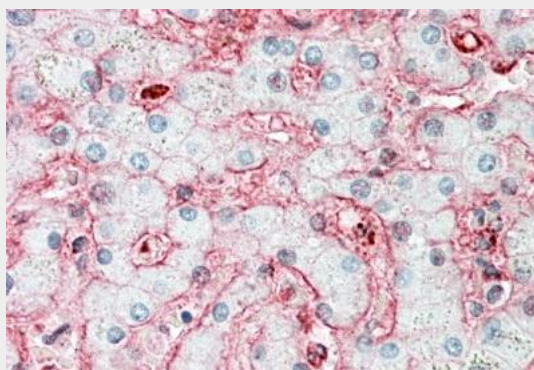
Tissue Location

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

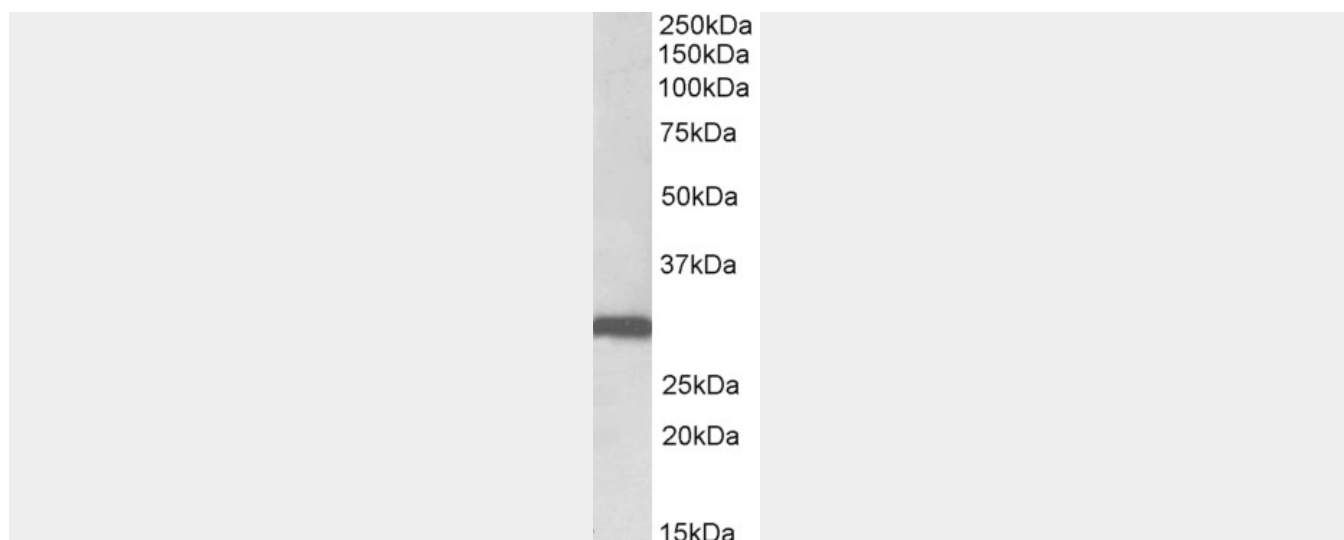
Stomatin Antibody (N-Term) - Protocols

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](#)

Stomatin Antibody (N-Term) - Images

AF3944a (5 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF3944a (0.1 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Stomatin Antibody (N-Term) - Background

This antibody is expected to recognize both reported isoforms (NP_004090.4; NP_937837.1).

Stomatin Antibody (N-Term) - References

Echinophilic proteins stomatin, sorcin, and synexin locate outside gangliosideM1 (GM1) patches in the erythrocyte membrane. Mrówczyńska L, Salzer U, Perutková S, Igliński A, Hägerstrand H. Biochem Biophys Res Commun. 2010 Oct 22;401(3):396-400. PMID: 20858460