

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

**Specification**

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**Stomatin Antibody (N-Term) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P27105</a>
Other Accession	<a href="#">NP_004090.4</a> , <a href="#">NP_937837.1</a> , <a href="#">2040</a>
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

**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 juxtannuclear 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).

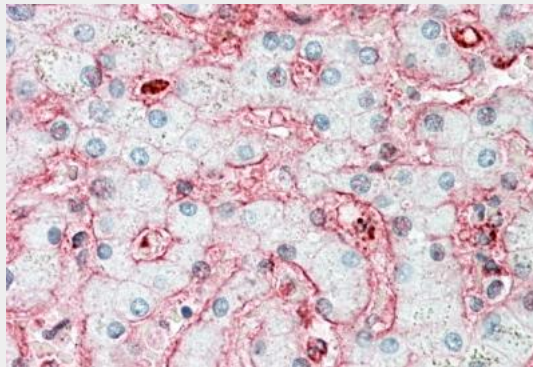
**Tissue Location**

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

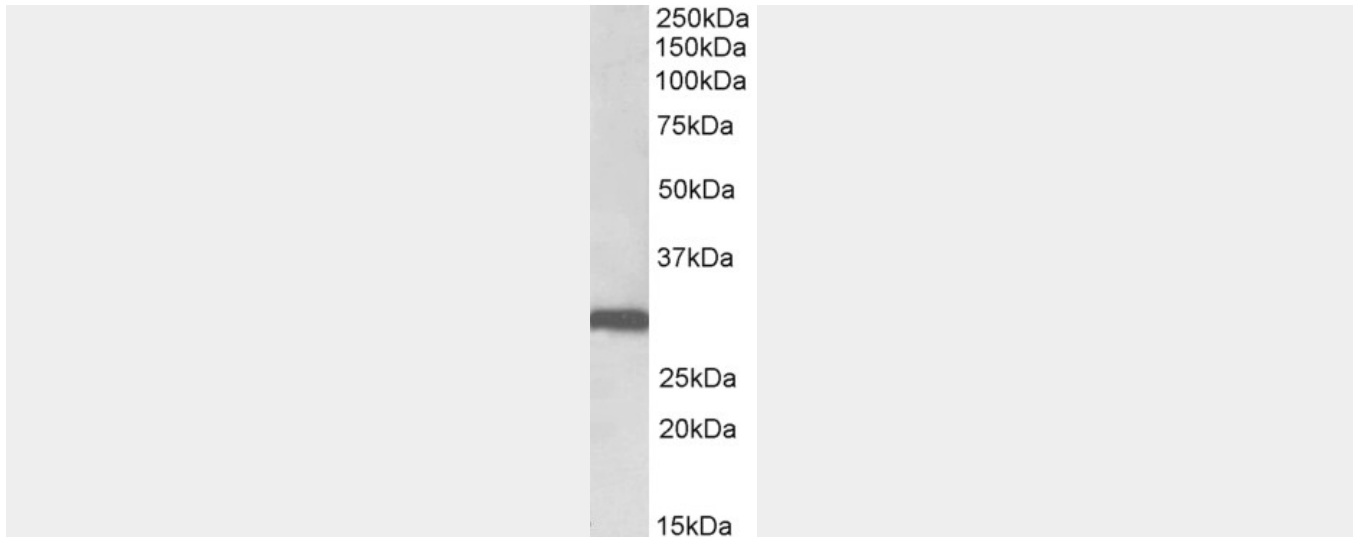
**Stomatin Antibody (N-Term) - Protocols**

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  $\mu\text{g/ml}$ ) staining of Human Lung lysate (35  $\mu\text{g}$  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, Igli? A, Hägerstrand H. *Biochem Biophys Res Commun.* 2010 Oct 22;401(3):396-400. PMID: 20858460