

Genethonin 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55139

Specification

Genethonin 1 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O95210
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39007

Genethonin 1 Polyclonal Antibody - Additional Information

Gene ID 8987

Other Names

Starch-binding domain-containing protein 1, Genethonin-1, Glycophagy cargo receptor STBD1, STBD1 {ECO:0000303|PubMed:20810658}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Genethonin 1 Polyclonal Antibody - Protein Information

Name STBD1 {ECO:0000303|PubMed:20810658}

Function

Acts as a cargo receptor for glycogen. Delivers its cargo to an autophagic pathway called glycophagy, resulting in the transport of glycogen to lysosomes.

Cellular Location

Preautophagosomal structure membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein. Cell membrane, sarcolemma, T-tubule. Note=Also detected near the junctional sarcoplasmic reticulum (PubMed:9794794) Concentrates at perinuclear structures (PubMed:21893048)

Tissue Location

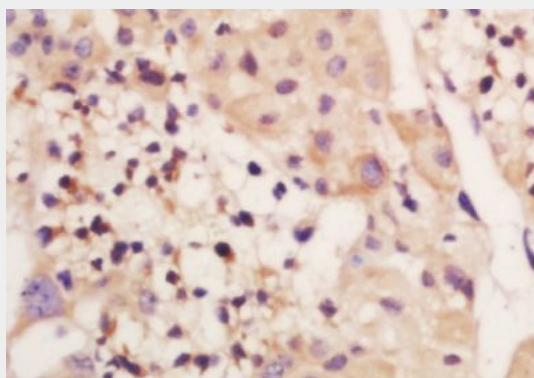
Expressed at high level in skeletal and cardiac muscles. Moderately expressed in liver and placenta. No expression is found in pancreas, kidney or lung. Present in skeletal muscle, heart and placenta (at protein level).

Genethonin 1 Polyclonal Antibody - 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](#)

Genethonin 1 Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Gemin 7 Polyclonal Antibody, Unconjugated(bs-13330R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining