10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AP1S3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10390a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96PC3
Other Accession	NP_001034658.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28083
Calculated MW	18280
Antigen Region	8-37

Additional Information

Gene ID	130340
Other Names	AP-1 complex subunit sigma-3, Adaptor protein complex AP-1 subunit sigma-1C, Adaptor-related protein complex 1 subunit sigma-1C, Clathrin assembly protein complex 1 sigma-1C small chain, Golgi adaptor HA1/AP1 adaptin sigma-1C subunit, Sigma 1C subunit of AP-1 clathrin, Sigma-adaptin 1C, Sigma1C-adaptin, AP1S3
Target/Specificity	This AP1S3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-37 amino acids from the N-terminal region of human AP1S3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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	AP1S3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

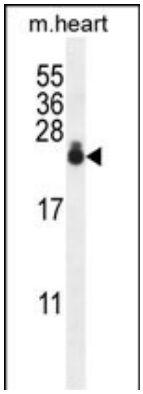
Name	AP1S3

Function	Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes (PubMed:24791904, PubMed:36261523). The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules (PubMed:24791904, PubMed:36261523). Involved in TLR3 trafficking (PubMed:24791904).
Cellular Location	Golgi apparatus. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Membrane, clathrin- coated pit. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex
Tissue Location	Widely expressed.

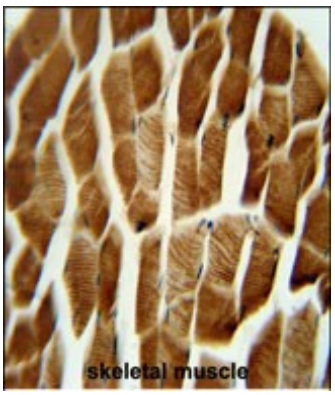
References

Rose, J. Phd, et al. Mol. Med. (2010) In press : Roeth, J.F., et al. J. Cell Biol. 167(5):903-913(2004) Hirst, J., et al. Mol. Biol. Cell 12(11):3573-3588(2001) Boehm, M., et al. Mol. Biol. Cell 12(10):2907-2920(2001) Kirchhausen, T. Nat. Rev. Mol. Cell Biol. 1(3):187-198(2000)

Images



AP1S3 Antibody (N-term) (Cat. #AP10390a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the AP1S3 antibody detected the AP1S3 protein (arrow).



AP1S3 antibody (N-term) (Cat. #AP10390a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AP1S3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.