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SAMD8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12035a

Specification

SAMD8 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96LT4
Other Accession	Q9DA37, NP_653261.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48321**
Antigen Region	**38-67**

SAMD8 Antibody (N-term) - Additional Information

Gene ID 142891

Other Names
Sphingomyelin synthase-related protein 1, SMSr, 278-, Ceramide phosphoethanolamine synthase, CPE synthase, Sterile alpha motif domain-containing protein 8, SAM domain-containing protein 8, SAMD8

Target/Specificity
This SAMD8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-67 amino acids from the N-terminal region of human SAMD8.

Dilution
WB~~1:1000

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
SAMD8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SAMD8 Antibody (N-term) - Protein Information

Name SAMD8 (HGNC:26320)

Function Sphingomyelin synthases synthesize sphingolipids through transfer of a phosphatidyl head group on to the primary hydroxyl of ceramide. SAMD8 is an endoplasmic reticulum (ER) transferase that has no sphingomyelin synthase activity but can convert phosphatidylethanolamine (PE) and ceramide to ceramide phosphoethanolamine (CPE) albeit with low product yield. Appears to operate as a ceramide sensor to control ceramide homeostasis in the endoplasmic reticulum rather than a converter of ceramides. Seems to be critical for the integrity of the early secretory pathway.

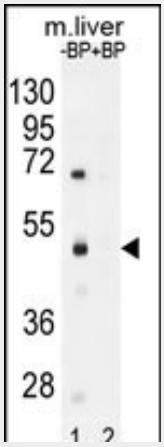
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

SAMD8 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

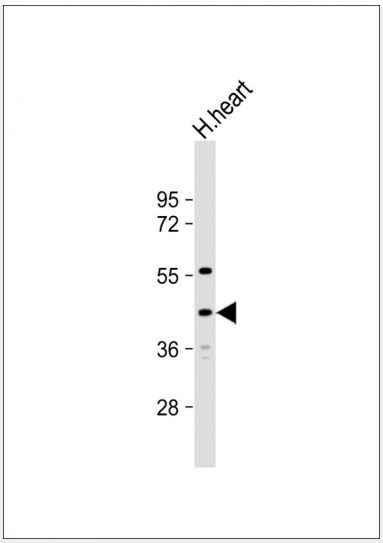
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SAMD8 Antibody (N-term) - Images



Western blot analysis of SAMD8 Antibody (N-term) Pab (Cat. #AP12035a) pre-incubated without(lane 1) and with(lane 2) blocking peptide in mouse liver tissue lysate. SAMD8 Antibody (N-term) (arrow) was detected using the purified Pab.

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Anti-SAMD8 Antibody (N-term) at 1:1000 dilution + human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

SAMD8 Antibody (N-term) - References

Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)
Huitema, K., et al. EMBO J. 23(1):33-44(2004)