SAMD8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SAMD8, Polyclonal Antibody
Full Product Name	SAMD8 (N-Term) Rabbit pAb
Product Gene Name	anti-SAMD8 antibody
Product Synonym 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
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB31781
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	611575
3D Structure	ModBase 3D Structure for Q96LT4
Immunogen	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.
Cellular Localization	Endoplasmic Reticulum, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SAMD8 antibody	Western Blot (WB)
Application Notes for anti-SAMD8 antibody	WB: 1:1000
Related Product Information for anti-SAMD8 antibody	MBS8551619 is an antibody targeting SAMD8. Also known as SAMD8 (N-Term) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SAMD8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAMD8. It may not necessarily be applicable to this product.

NCBI GI #	292658773
NCBI Accession #	NP_001167627.1
UniProt Primary Accession #	Q96LT4
GenBank Nucleotide #	NP_001167627.1

NCBI Official Full Name	sphingomyelin synthase-related protein 1 isoform 1
UniProt Protein Name	Sphingomyelin synthase-related protein 1
UniProt Synonym Protein Names	Ceramide phosphoethanolamine synthase; CPE synthase; Sterile alpha motif domain-containing protein 8
Protein Family	Sphingomyelin synthase-related protein
UniProt Gene Name	SAMD8
UniProt Synonym Gene Names	SMSr; CPE synthase
UniProt Entry Name	SAMD8_HUMAN
UniProt Comments for SAMD8	SAMD8: 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. Belongs to the sphingomyelin synthase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell surface; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 10q22.2 Cellular Component: integral to membrane; integral to endoplasmic reticulum membrane Molecular Function: transferase activity Biological Process: ceramide biosynthetic process; sphingomyelin biosynthetic process
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