

SMPD4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5904a**Specification**

SMPD4 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O9NXE4](#)
Other Accession [NP_060221.2](#)

SMPD4 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55627

Other Names

Sphingomyelin phosphodiesterase 4, Neutral sphingomyelinase 3, nSMase-3, nSMase3, Neutral sphingomyelinase III, SMPD4, KIAA1418

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SMPD4 Antibody (N-term) Blocking peptide - Protein Information

Name SMPD4 ([HGNC:32949](#))

Synonyms KIAA1418, SKNY

Function

Catalyzes the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide (PubMed:16517606, PubMed:25180167). It has a relevant role in the homeostasis of membrane sphingolipids, thereby influencing membrane integrity, and endoplasmic reticulum organization and function (PubMed:31495489). May sensitize cells to DNA damage-induced apoptosis (PubMed:18505924). In skeletal muscle, mediates TNF-stimulated oxidant production (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Golgi apparatus membrane; Single-pass membrane protein. Nucleus envelope. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q6ZPR5}

Tissue Location

Widely expressed, with highest levels in heart and skeletal muscle. [Isoform 2]: Expressed in skeletal muscle but a lower levels than isoform 1 (at protein level)

SMPD4 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SMPD4 Antibody (N-term) Blocking peptide - Images