

Datasheet for ABIN7467837 **anti-SMPD4 antibody**



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Overview

Quantity:	100 µL
Target:	SMPD4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMPD4 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human SMPD4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SMPD4
Alternative Name:	sphingomyelin phosphodiesterase 4 (SMPD4 Products)
Background:	Sphingomyelin phosphodiesterase 4 , NET13 , NSMASE-3 , NSMASE3 , SKNY, The protein encoded by this gene is a sphingomyelinase that catalyzes the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide. This gene is activated by DNA

Target Details

damage, cellular stress, and tumor necrosis factor, but it is downregulated by wild-type p53. The encoded protein localizes to the endoplasmic reticulum and Golgi network. [provided by RefSeq, Mar 2017]

Molecular Weight: 93 kDa

Gene ID: 55627

UniProt: [Q9NXE4](#)

Application Details

Application Notes: IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.78 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.