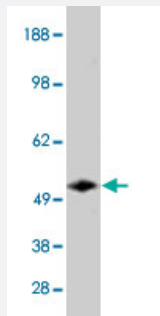


SMPD3 polyclonal antibody

Catalog # PAB10403 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot using SMPD3 polyclonal antibody (Cat # PAB10403) on human brain lysate. Lysate used at 14 ug/lane. Antibody used at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SMPD3.
Immunogen	A synthetic peptide corresponding to human SMPD3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western blot (1 to 5 mg/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Western Blot

Gene Info — SMPD3

Entrez GeneID [55512](#)

Gene Name SMPD3

Gene Alias FLJ22593, MGC138443, NSMASE2

Gene Description sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)

Omim ID [605777](#)

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations sphingomyelin phosphodiesterase 3, neutral membrane

Publication Reference

- [Role for mammalian neutral sphingomyelinase 2 in confluence-induced growth arrest of MCF7 cells.](#)

Marchesini N, Osta W, Bielawski J, Luberto C, Obeid LM, Hannun YA.

The Journal of Biological Chemistry 2004 Jun; 279(24):25101.

- [Hydrolysis of sphingosylphosphocholine by neutral sphingomyelinases.](#)

Miura Y, Gotoh E, Nara F, Nishijima M, Hanada K.

FEBS Letters 2004 Jan; 557(1-3):288.

- [Cloning and characterization of the mammalian brain-specific, Mg²⁺-dependent neutral sphingomyelinase.](#)

Hofmann K, Tomiuk S, Wolff G, Stoffel W.

PNAS 2000 May; 97(11):5895.

Application: IF, WB-Tr, Human, Mouse, Rat, HEK 293 cells, Mouse fibroblasts, PC-12, SH-SY5Y cells

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)