

DNAxPAb

Hard-to-Find
Antibody

SMPD1 DNAxPab

Catalog # H00006609-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human SMPD1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPRYGASLRQSCPRSGREQGQDGTAGAPGLLWMGLALALALALALALSDSRVLWAPAEAHPLS PQGHPARLHRMPRLRDVFGWGNLTCPICKGLFTAINLGLKKEPNVARVGSVAIKLCNLLKIAPPAV CRSIVHLFEDDMVEVWRRSVLSPSEACGLLLGSTCGHWDIFSSWNISLPTVPKPPPKPPSPAP GAPVSRILFLDLHWDHDYLEGTDPCADPLCCRRGSLPPASRPGAGYWGEYSKCDLPLRTL SLLSGLGPAGPFDMVYWTGDIPAHDVWHQTRQDQLRALTTVTALVRKFLGPVPVYPVAVGNHEST PVNSFPPPFIEGNHSSRWLYEAMAKAWEPWLP AEALRTLRCI
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — SMPD1

Entrez GeneID	6609
GeneBank Accession#	BC041164
Protein Accession#	AAH41164
Gene Name	SMPD1
Gene Alias	ASM, NPD
Gene Description	sphingomyelin phosphodiesterase 1, acid lysosomal
Omim ID	257200 607608 607616
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lysosomal acid sphingomyelinase that converts sphingomyelin to ceramide. The encoded protein also has phospholipase C activity. Defects in this gene are a cause of Niemann-Pick disease type A (NPA) and Niemann-Pick disease type B (NPB). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	acid sphingomyelinase

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Cystic fibrosis](#)

- [Diabetes Mellitus](#)
- [Dominance](#)
- [Edema](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)
- [Schizophrenia](#)