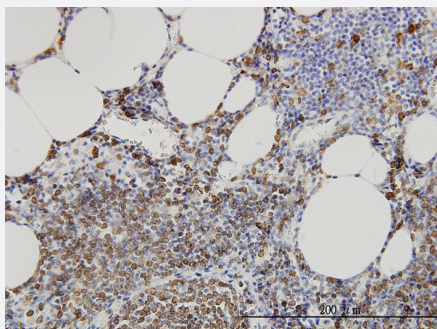


SMPD2 monoclonal antibody (M01), clone 2C9

Catalog # H00006610-M01

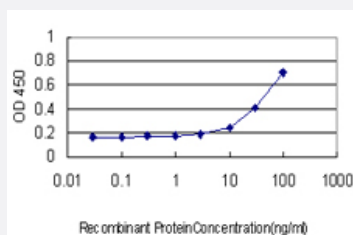
Size 50 ug

Applications



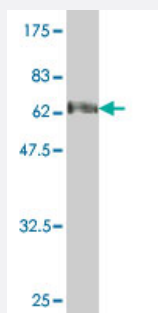
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SMPD2 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMPD2 is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (72.27 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant SMPD2.

Immunogen	SMPD2 (AAH00038.1, 1 a.a. ~ 423 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKPNFSLRLRIFNLNCWGIPYLSKHRADRMRLGDFLNQESFDLALLEEVWSEQDFQYLRQKLSP TYPAAHHFRSGIIGSGLCVFSKHPIQELTQHIYTLNGYPYMIHHGDWFSGKAVGLLVHLHSGMVLNA YVTHLHAEYNRQKDIYLAHRVAQAWELAQFIHHTSKKADVLLCGDLNMHPEDLGCCLLKEWTGL HDAYLETRDFKGSEEGNTMVPKNCYVSQQELKPFPGVVRIDYVLYKAVSGFYISCKSFETTTGFD PHSGTPLSDHEALMATLFVRHSPPQQNPSSTHGPAERSPLMCVLKEAWTELGLGMAQARWWA TFASYVIGLGLLLLALLCVLAAGGGAGEAAILLWTPSVGLVLWAGAFYLFHVQEVNGLYRAQAEIQ HVLGRAREAQDLGPEPQPALLLGQQEGDRTKEQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (79)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (72.27 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SMPD2 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMPD2 is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SMPD2

Entrez GeneID	6610
GeneBank Accession#	BC000038
Protein Accession#	AAH00038.1
Gene Name	SMPD2
Gene Alias	NSMASE, NSMASE1
Gene Description	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
Omim ID	603498
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000040472

Publication Reference

- [Dysregulated sphingolipid metabolism in endometriosis.](#)

Hou Lee Y, Wen Tan C, Venkatratnam A, Seng Tan C, Cui L, Feei Loh S, Griffith L, Tannenbaum SR, Kok Yen Chan J.
The Journal of Clinical Endocrinology and Metabolism 2014 Oct; 99(10):E1913.

Application: IHC, Human, Endometrium

Pathway

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

Disease

- [Cardiovascular Diseases](#)

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