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Product datasheet for TA804413AM

Acid sphingomyelinase (SMPD1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI10C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10C5
Applications:	WB
Recommended Dilution:	WB 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 62-341 of human SMPD1 (NP_000534) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	sphingomyelin phosphodiesterase 1
Database Link:	NP_000534 Entrez Gene 6609 Human P17405
Background:	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). Multiple transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2010]

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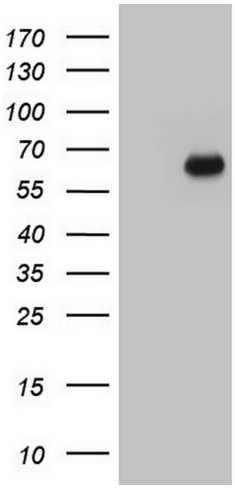
Synonyms: ASM; ASMASE; NPD

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome, Metabolic pathways, Sphingolipid metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SMPD1 ([RC219758], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SMPD1. Positive lysates [LY400191] (100ug) and [LC400191] (20ug) can be purchased separately from OriGene.