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anti-Sphingomyelin Synthase 1 antibody (AA 331-413) (AbBy Fluor® 350)



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Quantity:	100 μL	
Target:	Sphingomyelin Synthase 1 (SGMS1)	
Binding Specificity:	AA 331-413	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Sphingomyelin Synthase 1 antibody is conjugated to AbBy Fluor® 350	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Sphingomyelin Synthase 1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Sphingomyelin Synthase 1 (SGMS1)
Alternative Name:	Sphingomyelin Synthase 1 (SGMS1 Products)

Target Details

Background:	Synonyms: MOB, MOB1, SMS1, TMEM23, hmob33, Phosphatidylcholine:ceramide
	cholinephosphotransferase 1, Medulla oblongata-derived protein, Protein Mob, Sphingomyelin
	synthase 1, Transmembrane protein 23, SGMS1
	Background: Sphingomyelin synthases synthesize the sphingolipid, sphingomyelin, through
	transfer of the phosphatidyl head group, phosphatidylcholine, on to the primary hydroxyl of
	ceramide. The reaction is bidirectional depending on the respective levels of the sphingolipid
	and ceramide. Golgi apparatus SMS1 directly and specifically recognizes the choline head
	group on the substrate, requiring two fatty chains on the choline-P donor molecule in order to
	be recognized efficiently as a substrate. Major form in macrophages. Required for cell growth in
	certain cell types such as HeLa cells. Suppresses BAX-mediated apoptosis and also prevents
	cell death in response to stimuli such as hydrogen peroxide, osmotic stress, elevated
	temperature and exogenously supplied sphingolipids. May protect against cell death by
	reversing the stress-inducible increase in levels of proapoptotic ceramide.
Gene ID:	259230
UniProt:	Q86VZ5
Pathways:	Cellular Response to Molecule of Bacterial Origin
Application Details	
Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and
	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months