

## ARG44289 anti-NSMase2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NSMase2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NSMASE2
Species	Human
Immunogen	NSMase2 synthetic peptide
Conjugation	Un-conjugated
Alternate Names	SMPD3; Sphingomyelin Phosphodiesterase 3; Neutral Sphingomyelinase II; NSMASE2; Neutral Sphingomyelinase 2; NSMase-2; Sphingomyelin Phosphodiesterase 3, Neutral Membrane (Neutral Sphingomyelinase II); EC 3.1.4.12; NSMase2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

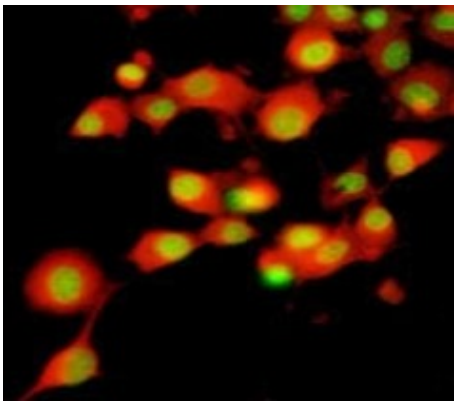
### Properties

Form	Liquid
Purification	Antigen Affinity Purified
Buffer	PBS with 1 mg/ml BSA, 0.05% Sodium azide and 50% glycerol
Preservative	0.05% Sodium azide
Stabilizer	1 mg/ml BSA and 50% glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

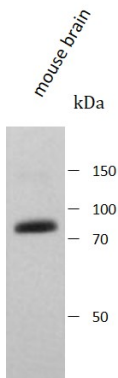
Gene Symbol	SMPD3
Gene Full Name	Sphingomyelin Phosphodiesterase 3
Background	Predicted to enable phosphatidic acid binding activity; phosphatidylserine binding activity; and sphingomyelin phosphodiesterase activity. Predicted to be involved in positive regulation of exosomal secretion and sphingomyelin metabolic process. Predicted to act upstream of or within several processes, including animal organ development; enzyme linked receptor protein signaling pathway; and sphingolipid metabolic process. Predicted to be located in Golgi apparatus and plasma membrane. Predicted to be active in cytoplasm. Biomarker of pulmonary emphysema.
Function	Catalyzes the hydrolysis of sphingomyelin to form ceramide and phosphocholine. Ceramide mediates numerous cellular functions, such as apoptosis and growth arrest, and is capable of regulating these 2 cellular events independently. Also hydrolyzes sphingosylphosphocholine. Regulates the cell cycle by acting as a growth suppressor in confluent cells. Probably acts as a regulator of postnatal development and participates in bone and dentin mineralization.
Calculated Mw	71 kDa
PTM	Lipoprotein, Palmitate, Phosphoprotein
Cellular Localization	Cell membrane, Golgi apparatus, Membrane

Images



ARG44289 anti-NSMase2 antibody ICC/IF image

Immunofluorescence: PC12 stained with ARG44289 anti-NSMase2 antibody.



ARG44289 anti-NSMase2 antibody WB image

Western blot: Mouse brain stained with ARG44289 anti-NSMase2 antibody.