

Anti-nSMase2 (C-terminal region) Antibody

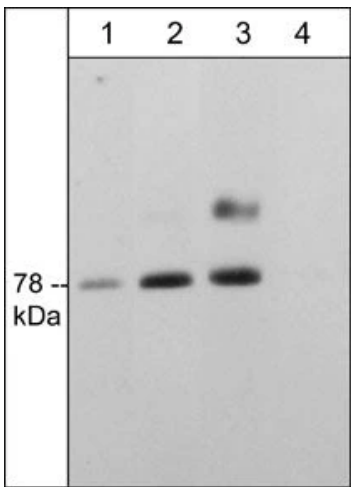


Product Details

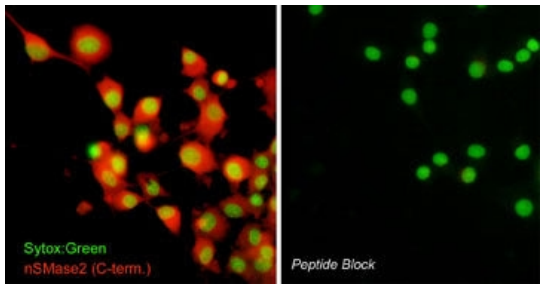
Available Variants	100 µL (SKU:SP4061)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	SMPD3
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	nSMase2 synthetic peptide corresponds to amino acids in the C-terminal region of human nSMase2. This sequence is highly conserved in rat and mouse nSMase2, and has low homology to other nSMase family members.
Specificity	The antibody detects a 78 kDa* band corresponding to nSMase2 on SDS-PAGE immunoblots of adult mouse brain and rat PC12 cells.
Molecular Weight	78
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	<u>Q9NY59</u>

Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

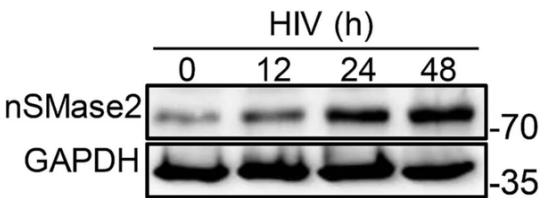
Product Images



Western blot of adult mouse brain. The blots were probed with anti-nSMase2 (C-terminal region) rabbit polyclonal antibody at 1:2000 (lane 1), 1:1000 (lane 2), or 1:500 in the absence (lane 3) or presence of nSMase2 blocking peptide (SX4065) (lane 4).



Immunocytochemical labeling of nSMase2 in aldehyde-fixed and NP-40-permeabilized differentiated PC12 cells. The cells were labeled with rabbit polyclonal anti-nSMase2 (SP4061) antibody in the absence (Left) or presence (Right) of blocking peptide (SX4065). The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594. The cells were counterstained with Sytox green to label nuclei.



Representative immunoblots showing expression of nSMase2 (Cat. SP4061, 1:1000) at the indicated timepoints (0 to 48 h) following HIVRF infection of H9 cells. Image from publication CC-BY-4.0. [PMID: 37406092](#)



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