www.antibodiesinc.com
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PRODUCT DATASHEET

Anti-Semaphorin-3A (Central region) Antibody

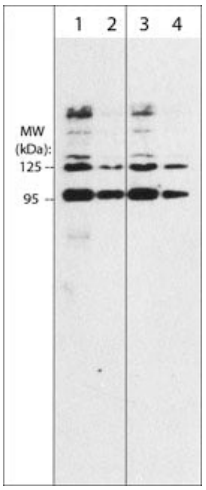
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:SM3171)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M317
Gene Name	SEMA3A
Host Species	Mouse
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M317 was generated from a synthetic peptide (coupled to carrier protein) corresponding to amino acids in the central region of human Sema3A. The sequence used is highly conserved in rat and mouse Sema3A, and has low homology to other semaphorin family members.
Specificity	The antibody detects a 95kDa* protein corresponding to the apparent molecular mass of Sema3A on SDS-PAGE immunoblots of human recombinant Sema3A and adult mouse brain lysates.
Molecular Weight	95
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	Q14563 UniProt Summary: Involved in the development of the olfactory system and in neuronal control of puberty. Induces the collapse and paralysis of neuronal growth cones. Could serve as a ligand that guides specific growth cones by a motility-inhibiting mechanism. Binds to the complex neuropilin-1/plexin-1.
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.
NCBI Gene ID	10371

Product Images



Western blots of human recombinant Sema3A/Fc chimera (95/125 kDa) (lanes 1-4). The blots were probed with rabbit polyclonal Sema3A (Central region) at 1:250 (lane 1) and 1:1000 (lane 2) and mouse monoclonal Sema3A (Central region) at 1:250 (lane 3) and 1:1000 (lane 4). Both antibodies recognize the 95 kDa and 125 kDa forms of the recombinant Sema3A.

Created on 20. November 2026 | All information without guarantee