www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Semaphorin-4D (C-terminal region) Antibody

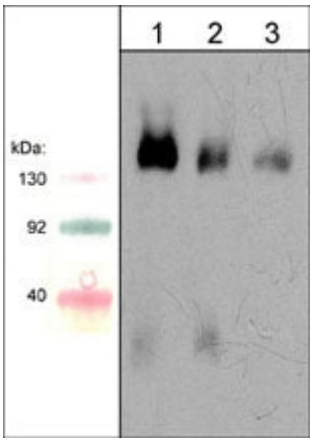
phosphosolutions ANTIBODIES THAT WORK

Product Details

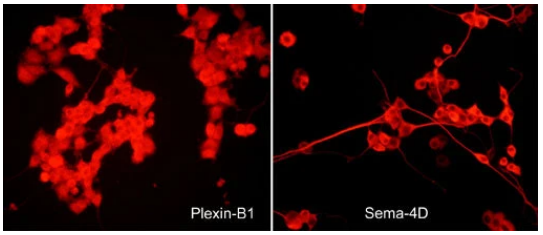
Available Variants	100 µL (SKU:SM1881)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M188
Gene Name	SEMA4D
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone (M188) was generated from a recombinant protein corresponding to the C-terminal region of human Semaphorin-4D.
Specificity	This antibody detects a 150 kDa* band on SDS-PAGE immunoblots of adult mouse brain.
Molecular Weight	150
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	Q92854 UniProt Summary: Cell surface receptor for PLXNB1 and PLXNB2 that plays an important role in cell-cell signaling. Regulates GABAergic synapse development. Promotes the development of inhibitory synapses in a PLXNB1-dependent manner. Modulates the complexity and arborization of developing neurites in hippocampal neurons by activating PLXNB1 and interaction with PLXNB1 mediates activation of RHOA. Promotes the migration of cerebellar granule cells. Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro). Induces endothelial cell migration through the activation of PTK2B/PYK2, SRC, and the phosphatidylinositol 3-kinase-AKT pathway.
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	10507

Product Images



Western blot image of mouse brain lysate. The blot was probed with mouse monoclonal Semaphorin-4D antibody (SM1881) at 1:250 (lane 1), 1:500 (lane 2), and 1:1000 (lane 3).



Immunocytochemical labeling in rat PC12 cells differentiated with NGF. The cells were probed with rabbit polyclonal Plexin B1 (PP1841) and mouse monoclonal Sema-4D (SM1881) antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.

Created on 20. November 2026 | All information without guarantee