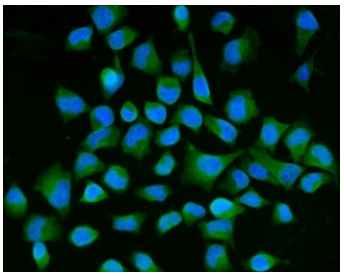
SEMA3B Antibody / Semaphorin 3B [clone 9C4F7] (RQ6745)

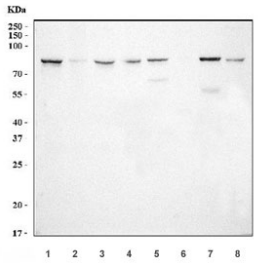
Catalog No.	Formulation	Size
RQ6745	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

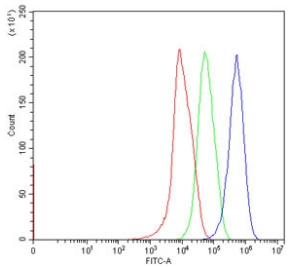
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	9C4F7
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13214
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This SEMA3B antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with SEMA3B antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Caco-2, 3) human U-87 MG, 4) human K562, 5) rat kidney, 6) rat NRK, 7) mouse kidney and 8) mouse ANA-1 cell lysate with SEMA3B antibody. Predicted molecular weight ~83 kDa.



Flow cytometry testing of human HepG2 cells with SEMA3B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEMA3B antibody.

Description

Semaphorin-3B is a protein that in humans is encoded by the SEMA3B gene. It is mapped to 3p21.31. The semaphorin/collapsin family of molecules plays a critical role in the guidance of growth cones during neuronal development. The secreted protein encoded by this gene family member is important in axonal guidance and has been shown to act as a tumor suppressor by inducing apoptosis.

Application Notes

Optimal dilution of the SEMA3B antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Y55-R624) was used as the immunogen for the SEMA3B antibody.

Storage

After reconstitution, the SEMA3B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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