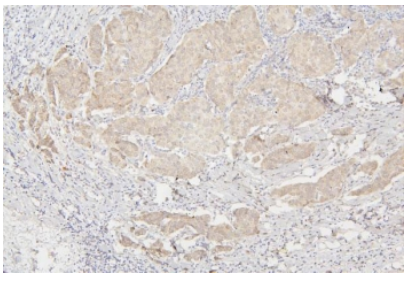
Semaphorin 3B Antibody / SEMA3B (RQ5426)

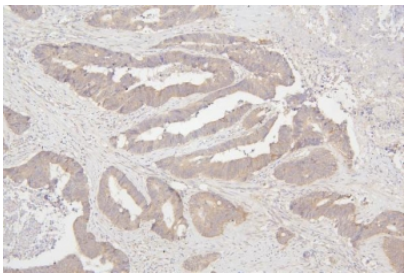
Catalog No.	Formulation	Size
RQ5426	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

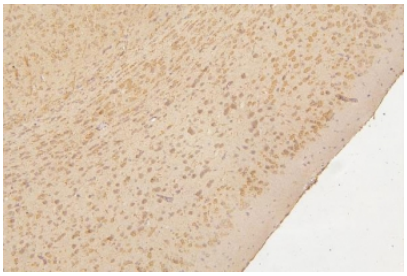
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13214
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence: 2-4ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Semaphorin 3B antibody is available for research use only.



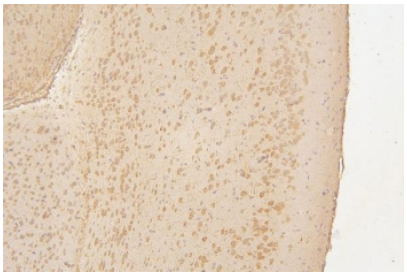
IHC staining of FFPE human breast cancer with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



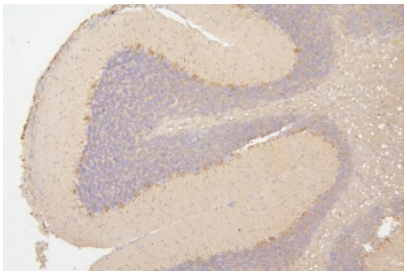
IHC staining of FFPE human colon cancer with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



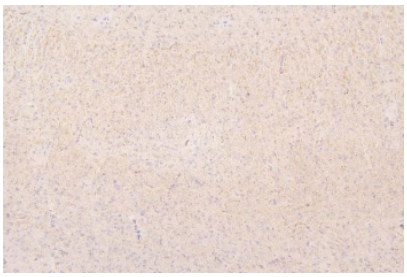
IHC staining of FFPE mouse brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



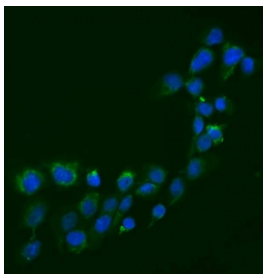
IHC staining of FFPE mouse brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



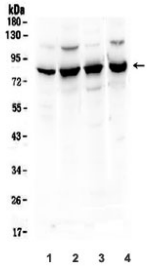
IHC staining of FFPE rat brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



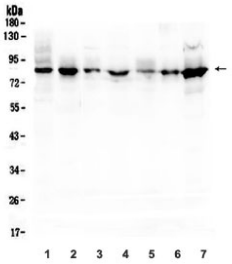
IHC staining of FFPE rat brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A431 cells with Semaphorin 3B antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) placenta, 2) U-2 OS, 3) A549 and 4) U-87 MG lysate with Semaphorin 3B antibody. Predicted molecular weight ~83 kDa.



Western blot testing of 1) rat thymus, 2) rat kidney and mouse 3) thymus, 4) lung, 5) small intestine, 6) kidney and 7) HEPA1-6 lysate with Semaphorin 3B antibody. Predicted molecular weight ~83 kDa.

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 Semaphorin 3B antibody should be determined by the researcher.

Immunogen

Amino acids Y55-R624 from the human protein were used as the immunogen for the Semaphorin 3B antibody.

Storage

Store the Semaphorin 3B antibody at -20oC.

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