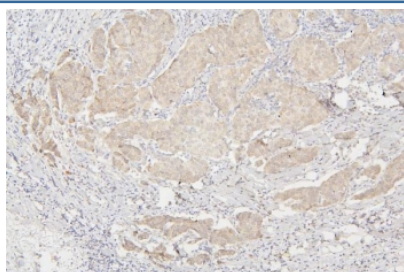


## Semaphorin 3B Antibody / SEMA3B (RQ5426)

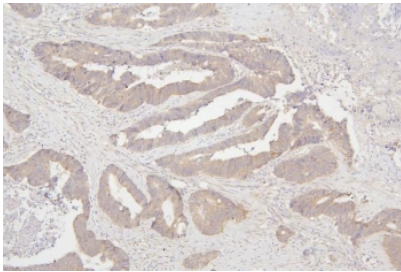
Catalog No.	Formulation	Size
RQ5426	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

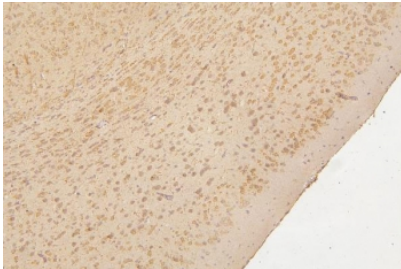
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q13214
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.



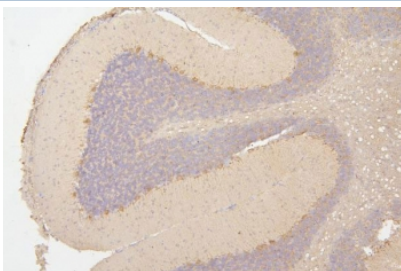
IHC staining of FFPE human colon cancer with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



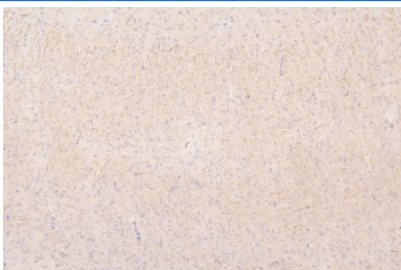
IHC staining of FFPE mouse brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



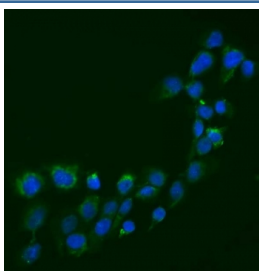
IHC staining of FFPE mouse brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



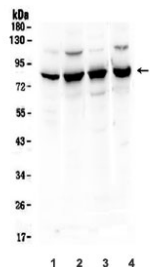
IHC staining of FFPE rat brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



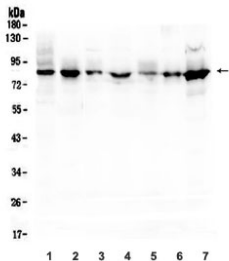
IHC staining of FFPE rat brain with Semaphorin 3B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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 -20°C.