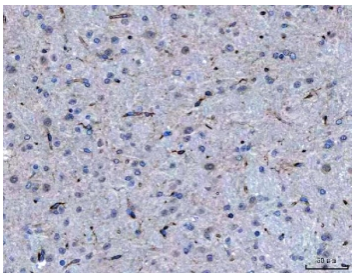
Semaphorin-4F Antibody / SEMA4F (RQ7620)

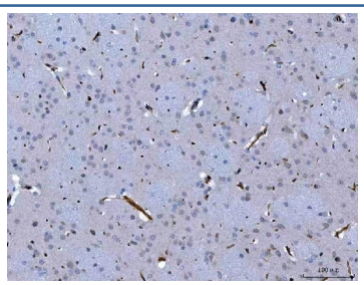
Catalog No.	Formulation	Size
RQ7620	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

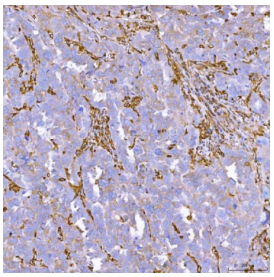
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95754
Applications	0.5-1ug/ml2-5ug/ml1-3ug/million cells5ug/ml0.1-0.5ug/ml
Limitations	This Semaphorin-4F antibody is available for research use only.



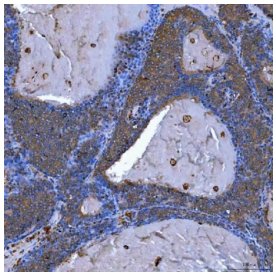
IHC staining of FFPE mouse brain tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



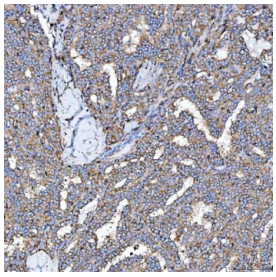
IHC staining of FFPE rat brain tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



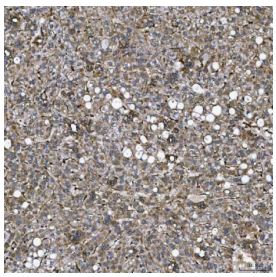
IHC staining of FFPE human ovarian serous cancer tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



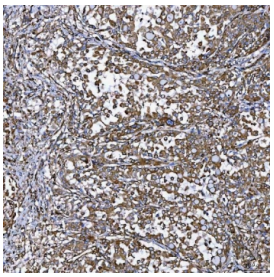
IHC staining of FFPE human breast cancer tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



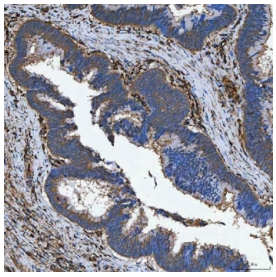
IHC staining of FFPE human thyroid cancer tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



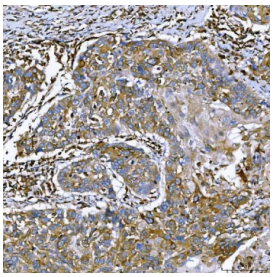
IHC staining of FFPE human liver cancer tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



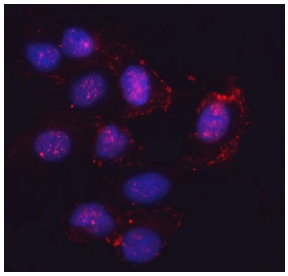
IHC staining of FFPE human lung adenocarcinoma tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



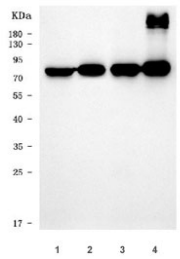
IHC staining of FFPE human colon adenocarcinoma tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



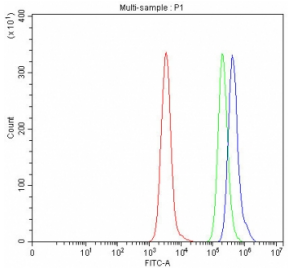
IHC staining of FFPE human larynx squamous cell carcinoma tissue with Semaphorin-4F antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with Semaphorin-4F antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human U-87 MG, 2) rat lung, 3) rat C6 and 4) mouse lung tissue lysate with Semaphorin-4F antibody. Predicted molecular weight ~66 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human Daudi cells with Semaphorin-4F antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Semaphorin-4F antibody.

Description

Semaphorin-4F is a protein that in humans is encoded by the SEMA4F gene. This gene encodes a transmembrane class IV semaphorin family protein, which plays a role in neural development. This gene may be involved in neurogenesis in prostate cancer, the development of neurofibromas, and breast cancer tumorigenesis. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Semaphorin-4F antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R35-E574) was used as the immunogen for the Semaphorin-4F antibody.

Storage

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

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