

For Research Use Only

# SEMA4B Polyclonal antibody, PBS Only

Catalog Number: 29191-1-PBS



## Basic Information

**Catalog Number:**

29191-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG30422

**GenBank Accession Number:**

BC110853

**GeneID (NCBI):**

10509

**UNIPROT ID:**

Q9NPR2

**Full Name:**

sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

SEMA4B (Semaphorin 4B), belonging to the Class SEMA4, is a transmembrane homodimer glycoprotein. Lots of SEMA4 family members have been implicated in the formation and progression of tumors due to (PMID: 35676688). SEMA4B inhibits the invasion of non-small cell lung cancer (NSCLC) through PI3K-dependent suppression of MMP9 activation (PMID: 25746385).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

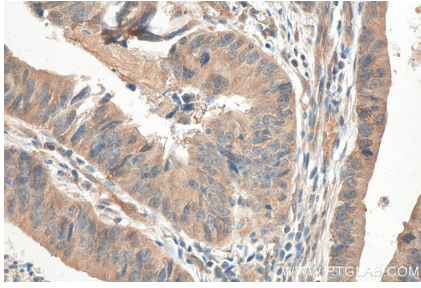
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

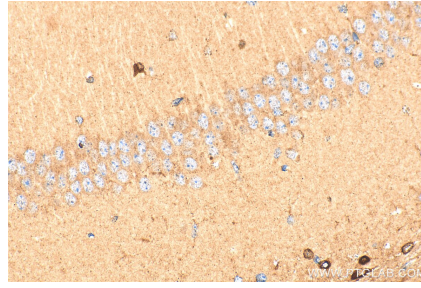
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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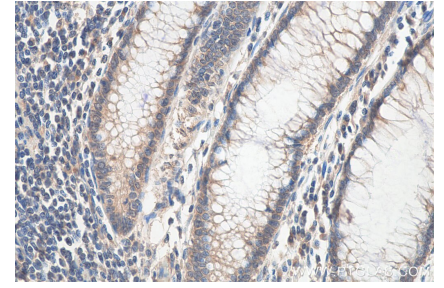
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29191-1-AP (SEMA4B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29191-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29191-1-AP (SEMA4B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29191-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29191-1-AP (SEMA4B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29191-1-PBS in a different storage buffer formulation.