

For Research Use Only

SEMA4C Polyclonal antibody

Catalog Number: 28402-1-AP

2 Publications



Basic Information

Catalog Number:

28402-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29143

GenBank Accession Number:

BC109104

GeneID (NCBI):

54910

UNIPROT ID:

Q9C0C4

Full Name:

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

Calculated MW:

833 aa, 93 kDa

Observed MW:

93 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human

Positive Controls:

WB : fetal human brain tissue, mouse brain tissue, rat brain tissue

IHC : human ovary tumor tissue, human stomach cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SEMA4C is a member of transmembrane semaphorin proteins which regulate axonal guidance in the developing nervous system. Furthermore, studies have demonstrated that sema4C was also implicated in biological events outside the nervous system, such as cell migration, tumor development, and terminal myogenic differentiation (PMID: 36010604). SEMA4C is highly expressed in breast, lung, cervical, and liver cancers. SEMA4C is involved in oncogenic signaling and is a potential therapeutic target for invasive breast cancer, hepatocellular carcinoma, glioma, and osteosarcoma (PMID: 33177246).

Notable Publications

Author	Pubmed ID	Journal	Application
Siyuan Ma	39018715	Mutat Res	WB
Lu Dai	38293776	Histol Histopathol	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

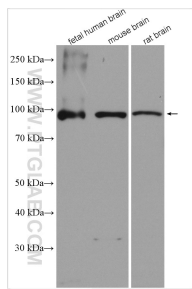
For technical support and original validation data for this product please contact:

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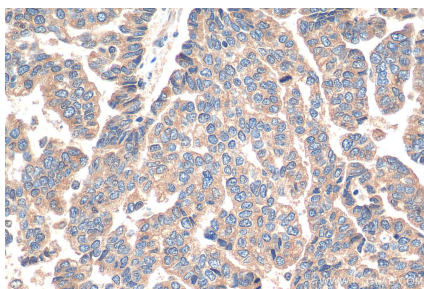
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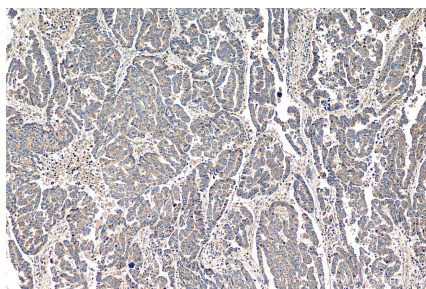
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28402-1-AP (SEMA4C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 28402-1-AP (SEMA4C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 28402-1-AP (SEMA4C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).