

Semaphorin 5A Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2525a**Specification**

Semaphorin 5A Antibody (internal region) - Product Information

Application	IHC
Primary Accession	Q13591
Other Accession	NP_003957.1 , 9037 , 20356 (mouse) , 310207 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	120615

Semaphorin 5A Antibody (internal region) - Additional Information**Gene ID** 9037**Other Names**

Semaphorin-5A, Semaphorin-F, Sema F, SEMA5A, SEMAF

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Semaphorin 5A Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Semaphorin 5A Antibody (internal region) - Protein Information**Name** SEMA5A**Synonyms** SEMAF**Function**

Bifunctional axonal guidance cue regulated by sulfated proteoglycans; attractive effects result from interactions with heparan sulfate proteoglycans (HSPGs), while the inhibitory effects depend on interactions with chondroitin sulfate proteoglycans (CSPGs) (By similarity). Ligand for receptor PLXNB3. In glioma cells, SEMA5A stimulation of PLXNB3 results in the disassembly of F-actin stress

fibers, disruption of focal adhesions and cellular collapse as well as inhibition of cell migration and invasion through ARHGDI A-mediated inactivation of RAC1. May promote angiogenesis by increasing endothelial cell proliferation and migration and inhibiting apoptosis.

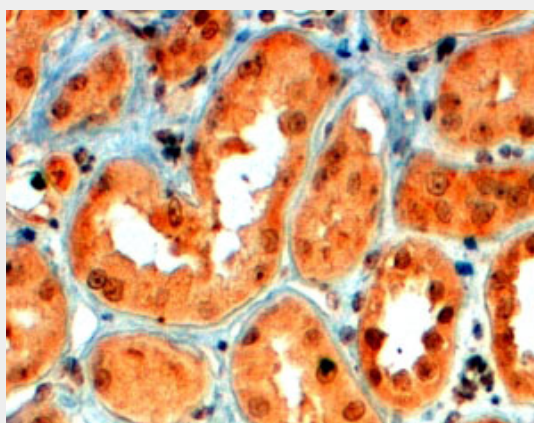
Cellular Location

Membrane; Single-pass type I membrane protein.

Semaphorin 5A Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Semaphorin 5A Antibody (internal region) - Images

AF2525a (4 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

Semaphorin 5A Antibody (internal region) - Background

The immunizing peptide corresponds to a part of the extracellular domain.

Semaphorin 5A Antibody (internal region) - References

High-resolution whole-genome association study of Parkinson disease Maraganore DM, de Andrade M, Lesnick TG, Strain KJ, Farrer MJ, Rocca WA, Pant PV, Frazer KA, Cox DR, Ballinger DG. Am J Hum Genet. 2005 Nov;77(5):685-93. Epub 2005 Sep 9. PMID: 16252231