

Semaphorin 3B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58319**Specification**

Semaphorin 3B Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q13214
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Semaphorin 3B.
Epitope Specificity	701-749/749
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Endoplasmic reticulum. Note=Accumulates in the endoplasmic reticulum.
SIMILARITY	Belongs to the semaphorin family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 PSI domain. Contains 1 Sema domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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. [provided by RefSeq, Jul2008].

Semaphorin 3B Polyclonal Antibody - Additional Information**Gene ID** 7869**Other Names**

Semaphorin-3B, Sema A(V), Semaphorin-V, Sema V, SEMA3B, SEMA5, SEMAA

Target/Specificity

Expressed abundantly but differentially in a variety of neural and nonneural tissues.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Semaphorin 3B Polyclonal Antibody - Protein Information

Name SEMA3B

Synonyms SEMA5, SEMAA

Function

Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.

Cellular Location

Secreted. Endoplasmic reticulum. Note=Accumulates in the endoplasmic reticulum

Tissue Location

Expressed abundantly but differentially in a variety of neural and nonneural tissues

Semaphorin 3B Polyclonal Antibody - 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 3B Polyclonal Antibody - Images