

# Semaphorin 3B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58319

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q13214</a>
<b>Reactivity</b>	Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	83122
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Semaphorin 3B.
<b>Epitope Specificity</b>	701-749/749
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Secreted. Endoplasmic reticulum. Note=Accumulates in the endoplasmic reticulum.
<b>SIMILARITY</b>	Belongs to the semaphorin family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 PSI domain. Contains 1 Sema domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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].

## Additional Information

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<b>Gene ID</b>	7869
<b>Other Names</b>	Semaphorin-3B, Sema A(V), Semaphorin-V, Sema V, SEMA3B, SEMA5, SEMAA
<b>Target/Specificity</b>	Expressed abundantly but differentially in a variety of neural and nonneural tissues.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Protein Information

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<b>Name</b>	SEMA3B
<b>Synonyms</b>	SEMA5, SEMAA
<b>Function</b>	Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.
<b>Cellular Location</b>	Secreted. Endoplasmic reticulum. Note=Accumulates in the endoplasmic reticulum
<b>Tissue Location</b>	Expressed abundantly but differentially in a variety of neural and nonneural tissues

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.