



Rabbit Anti-Semaphorin 3B antibody

SL5817R

Product Name:	Semaphorin 3B
Chinese Name:	导向蛋白3B抗体
Alias:	Semaphorin3B; Semaphorin-3B; Semaphorin 3 B; Sema A(V); Sema V; Semaphorin V; SEMA3B; LUCA-1; SemA; SEMA5; SEMAA; semaV; semaphorin-3B isoform 2; SEM3B_HUMAN; Semaphorin-V; Sema V..
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	82kDa
Cellular localization:	cytoplasmicSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Semaphorin 3B.:701-749/749
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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].

Function:

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

Subcellular Location:

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

Tissue Specificity:

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

Similarity:

Belongs to the semaphorin family.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 PSI domain.

Contains 1 Sema domain.

SWISS:

Q13214

Gene ID:

7869

Database links:

[Entrez Gene: 7869](#)Human

[Entrez Gene: 20347](#)Mouse

[Omim: 601281](#)Human

[SwissProt: Q13214](#)Human

[SwissProt: Q0VGP2](#)Mouse

[SwissProt: Q62177](#)Mouse

[Unigene: 82222](#)Human

[Unigene: 4083](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.