

Semaphorin 5B Rabbit pAb

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Catalog # AP94023

Product Information

Application	WB
Primary Accession	Q9P283
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125913
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Semaphorin 5B
Epitope Specificity	201-300/1155
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	Membrane; Single-pass type III membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Semaphorins are a family of cell surface and secreted proteins that are conserved from insects to humans. Members of this family of proteins are approximately 750 amino acids in length (including signal sequences) and are defined by a conserved extracellular "semaphorin" domain of approximately 500 amino acids containing 14-16 cysteines, blocks of conserved sequences and no obvious repeats. Secreted and cell-bound semaphorins chemically attract and repel the growth of neural axons, guiding the development of intricate networks of neural tissue. SEMA5B (semaphorin-5B), also known as SEMAG, is a 1151 amino acid member of the semaphorin family. Localized to the membrane, SEMA5B is a single-pass type III protein that functions to convey positive axonal guidance cues and can induce calpain-mediated cleavage of calcineurin. Three isoforms exist due to alternative splicing events.

Additional Information

Gene ID	54437
Other Names	Semaphorin-5B, SEMA5B, KIAA1445, SEMAG
Dilution	WB=1:500-2000
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.

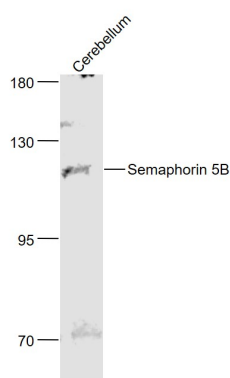
Protein Information

Name	SEMA5B
Synonyms	KIAA1445, SEMAG
Function	May act as a positive axonal guidance cue.
Cellular Location	Membrane; Single-pass type III membrane protein

Background

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Images



Sample:
Cerebellum (Mouse) Lysate at 40 ug
Primary: Anti- Semaphorin 5B (AP94023) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 126 kD
Observed band size: 126 kD

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