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SEMA4B Rabbit pAb

Catalog Number:	bs-11477R
Target Protein:	SEMA4B
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)
Reactivity:	(predicted:Human, Mouse, Rat, Rabbit, Sheep, Dog, Horse)
Predicted MW:	88 kDa
Subcellular Locations:	Cell membrane
Entrez Gene:	10509
Swiss Prot:	Q9NPR2
Source:	KLH conjugated synthetic peptide derived from human SEMA4B: 165-210/832.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	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. The transmembrane semaphorins are characterized by an additional 80 amino acid transmembrane domain and an 80-110 amino acid cytoplasmic domain. Secreted and cell-bound semaphorins chemically attract and repel the growth of neural axons, guiding the development of intricate networks of neural tissue. SEMA4B (semaphorin-4B), also known as SemC or SEMAC, is an 832 amino acid single-pass type I membrane protein that belongs to the semaphorin family and exists as two alternatively spliced isoforms. Containing one Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a single sema domain, SEMA4B is encoded by a gene located on human chromosome 15.