SEMA4A (N532) polyclonal antibody

Catalog: BCP01494 Host: Rabbit Reactivity: Human,Mouse,Rat

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. Semaphorin 4A (SEMA4A), also designated Semaphorin B, is a type I membrane protein. The SEMA4A gene encoding the protein localizes to chromosome 1q22. SEMA4A provides signals to specify territories inaccessible for growing neurons, inhibiting axonal extension.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 84 kDa

Swiss-Prot:

Q9H3S1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

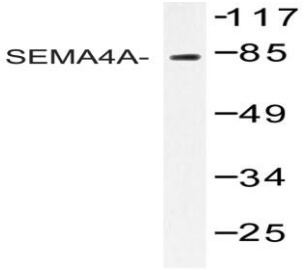
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

SEMA4A (N532) polyclonal antibody detects endogenous levels of SEMA4A protein.

DATA:



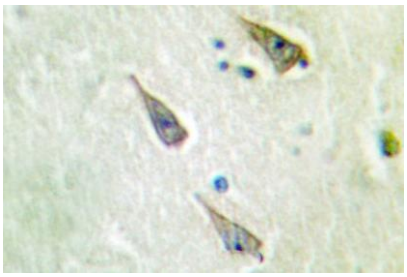
Western blot (WB) analysis of SEMA4A (N532) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:H9C2 whole cell lysate(40ug)

Lane4:BV2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of SEMA4A (N532) pAb in paraffin-embedded human brain tissue.

Note:

For research use only, not for use in diagnostic procedure.

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