

Semaphorin 3A polyclonal antibody

Catalog: BS67726

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Semaphorins (SEMs) comprise 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, many blocks of conserved sequences and no obvious repeats. Secreted and cell-bound semaphorins are known to chemically attract and repel the growth of neural axons, guiding the development of intricate networks of neural tissue. In addition to their role in axonal guidance, semaphorins have also been associated with the progression of cancer. Many semaphorins bind to the receptors neuropilin and neuropilin 2, thus competing with VEGF for this interaction, which ultimately results in the suppression of angiogenesis. The loss of functional semaphorins to compete with VEGF may play an important role in tumor progression.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 90 kDa

Swiss-Prot:

O08665/Q63548

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

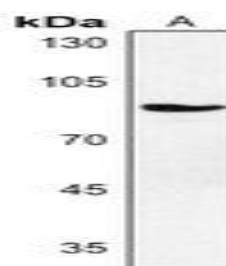
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of Semaphorin 3A protein.

DATA:



Western blot analysis of Semaphorin 3A expression in mouse brain (A) whole cell lysates.

Note:

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

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