

SEMA3A

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 89kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human SEMA3A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III;

Catalog #: A5700

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10371

Isotype: IgG

Swiss Prot: Q14563

Purity: Affinity purification

For research use only.

Background:

This gene is a member of the semaphorin family and encodes a protein with an Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a Sema domain. This secreted protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines. Also, aberrant release of this protein is associated with the progression of Alzheimer's disease.

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