

Anti-Semaphorin 3A/SEMA3A Antibody Picoband® HRP Conjugated

Catalog Number: PB9353-HRP

About SEMA3A

SEMA3A is also known as COLL1, SEMA1 or SEMAL. 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.

Overview

Product Name	Anti-Semaphorin 3A/SEMA3A Antibody Picoband® HRP Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q14563

Technical Details

Immunogen	E.coli-derived human Semaphorin 3A recombinant protein (Position: K550-V771). Human Semaphorin 3A shares 93% and 94% amino acid (aa) sequence identity with mouse and rat Semaphorin 3A, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

1 Publications Citing This Product

1. PubMed ID: 24765144, Zhou H, Wu A, Fu W, Lv Z, Zhang Z. Oncol Lett. 2014 May;7(5):1395-1400. Epub 2014 Feb 27. Significance Of Semaphorin-3A And Mmp-14 Protein Expression In Non-Small Cell Lung Cancer.

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