



SEMA3A Polyclonal Antibody

Catalog No	YP-Ab-04191
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	SEMA3A
Immunogen	The antiserum was produced against synthesized peptide derived from human SEMA3A. AA range:688-737
Specificity	SEMA3A Polyclonal Antibody detects endogenous levels of SEMA3A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ,IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	coll 1;Hsema I;Hsema III;Sema III;SEMA1;SEMA3A;SEMAD;SEMAIII;SEMAL;Semaphorin 3A;Semaphorin-3A;Semaphorin III
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted .
Tissue Specificity	Expressed in the dorsal root ganglia.
Function	domain:Strong binding to neuropilin is mediated by the carboxy third of the protein.,function:Induces the collapse and paralysis of neuronal growth cones. Could serve as a ligand that guides specific growth cones by a motility-inhibiting mechanism. Binds to the complex neuropilin-1/plexin-1.,similarity:Belongs to the semaphorin family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 PSI domain.,similarity:Contains 1 Sema domain.,
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. [provided by RefSeq, Jul 2008],

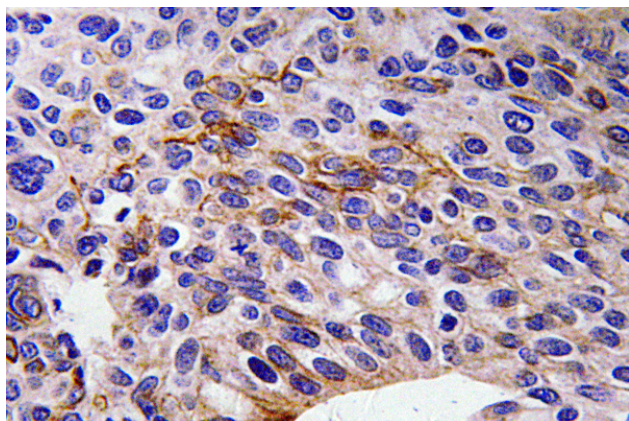
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of SEMA3A antibody in paraffin-embedded human tonsil tissue.