

**SEMA3A Polyclonal Antibody**

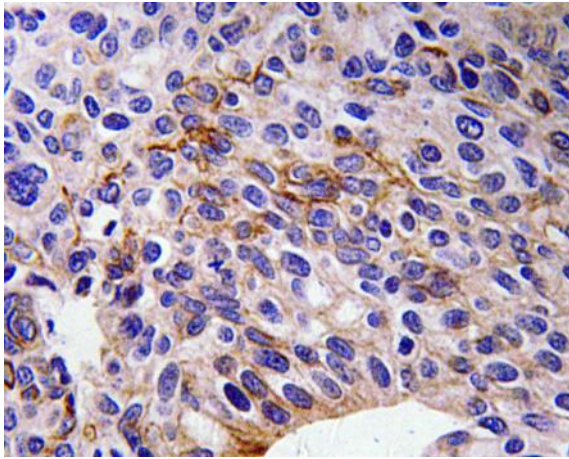
<b>Catalog No :</b>	YT4232
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	SEMA3A
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	SEMA3A
<b>Protein Name :</b>	Semaphorin-3A
<b>Human Gene Id :</b>	10371
<b>Human Swiss Prot No :</b>	Q14563
<b>Mouse Gene Id :</b>	20346
<b>Mouse Swiss Prot No :</b>	O08665
<b>Rat Gene Id :</b>	29751
<b>Rat Swiss Prot No :</b>	Q63548
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SEMA3A. AA range:688-737
<b>Specificity :</b>	SEMA3A Polyclonal Antibody detects endogenous levels of SEMA3A protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	89kD
<b>Cell Pathway :</b>	Axon guidance;
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Secreted .
<b>Expression :</b>	Expressed in the dorsal root ganglia.

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## Products Images



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