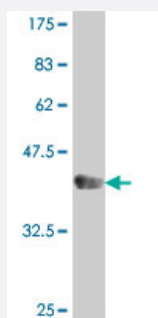


SEMA3A polyclonal antibody (A01)

Catalog # H00010371-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SEMA3A.
Immunogen	SEMA3A (NP_006071, 672 a.a. ~ 770 a.a) partial recombinant protein with GST tag.
Sequence	HLEELLHKDDDGSGSKTKEMSNSMTPSQKVWYRDFMQLINHPNLNTMDEFCEQVWKRDRKQR RQRPGHTPGNSNKWKHLQENKKGRNRRTHEFERAPRS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (93)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SEMA3A

Entrez GeneID [10371](#)

GeneBank Accession# [NM_006080](#)

Protein Accession# [NP_006071](#)

Gene Name SEMA3A

Gene Alias Hsema-I, Hsema-III, MGC133243, SEMA1, SEMAD, SEMAIII, SEMAL, SemD, coll-1

Gene Description sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A

Omim ID [603961](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations collapsin 1|semaphorin 3A|semaphorin D|semaphorin III|semaphorin L|semaphorin-like

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)

- [Memory](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)