

Product datasheet for **TA363802**

Semaphorin 3A (SEMA3A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SEMA3A
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	88 kDa
Gene Name:	semaphorin 3A
Database Link:	NP_006071.1 Entrez Gene 10371 Human Q14563



[View online »](#)

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.

Synonyms:

coll-1; Hsema-I; Hsema-III; MGC133243; OTTHUMP00000208884; SEMA1; SEMAD; SEMAIII; SEMAL; semaphorin-like; SemD

Protein Families:

Secreted Protein

Protein Pathways:

Axon guidance

Product images:


Host: Rabbit
 Target Name: SEMA3A
 Sample Type: HepG2 Cell Lysate
 Antibody Dilution: 1.0µg/ml

Host: Rabbit
 Target Name: SEMA3A
 Sample Tissue: Human HepG2 Whole Cell lysates
 Antibody Dilution: 1ug/ml