

Product datasheet for TA363802

OriGene Technologies, Inc.

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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.

Note that this product is shipped as lyophilized powder to China customers.

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



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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.

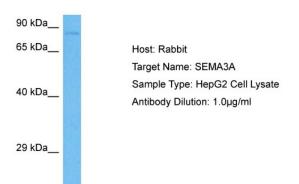
Synonyms: coll-1; Hsema-I; Hsema-III; MGC133243; OTTHUMP00000208884; SEMA1; SEMAD; SEMAIII;

SEMAL; semaphorin-like; SemD

Protein Families: Secreted Protein
Protein Pathways: Axon guidance

22 kDa

Product images:



Host: Rabbit

Target Name: SEMA3A

Sample Tissue: Human HepG2 Whole Cell lysates

Antibody Dilution: 1ug/ml