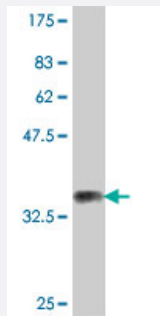


SEMA4G polyclonal antibody (A01)

Catalog # H00057715-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.23 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SEMA4G.
Immunogen	SEMA4G (NP_060363, 24 a.a. ~ 115 a.a) partial recombinant protein with GST tag.
Sequence	RRPSRELDATPRMTIPYEELSGTRHFKGQAQNYSTLLLEEASARLLVGARGALFSL SANDIGDGAH KEIHWEASPEMQSKCHQKGKNNQTEC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (33); Rat (33)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.23 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 — SEMA4G

Entrez GeneID [57715](#)

GeneBank Accession# [NM_017893](#)

Protein Accession# [NP_060363](#)

Gene Name SEMA4G

Gene Alias FLJ20590, KIAA1619, MGC102867

Gene Description sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G

Gene Ontology [Hyperlink](#)

Gene Summary Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin. This gene and the gene for mitochondrial ribosomal protein L43 overlap at map location 10q24.31 and are transcribed in opposite directions. [provided by RefSeq]

Other Designations OTTHUMP00000020312|semaphorin 4G

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)