

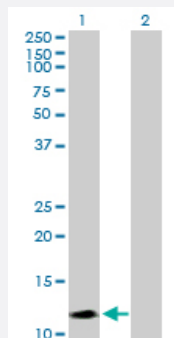
MaxPab®

SEMA4G purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00057715-B02P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SEMA4G expression in transfected 293T cell line ([H00057715-T02](#)) by SEMA4G MaxPab polyclonal antibody.

Lane 1: SEMA4G transfected lysate(13.97 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SEMA4G protein.
Immunogen	SEMA4G (AAH20960.1, 1 a.a. ~ 127 a.a) full-length human protein.
Sequence	MGSMSPPSAWPCVLDGPETRDLCQPPKPCVHSHAHMEECLSAGLQCPHPHLLLVHSCFIPAS GLGVPSQLPHPWSSSPAPCGDLFVKSLGTGQPGEVRLHHSPLPSCVALVNQPPHSPWSFSR V
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (33); Rat (33)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — SEMA4G

Entrez GeneID [57715](#)

GeneBank Accession# [BC020960](#)

Protein Accession# [AAH20960.1](#)

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](#)