

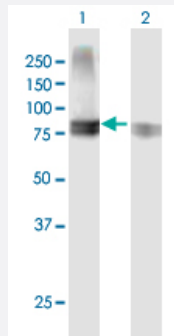
MaxPab®

# SEMA4A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00064218-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of SEMA4A expression in transfected 293T cell line ([H00064218-T01](#)) by SEMA4A MaxPab polyclonal antibody.

Lane 1: SEMA4A transfected lysate(83.71 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human SEMA4A protein.

### Immunogen

SEMA4A (NP\_071762.2, 1 a.a. ~ 761 a.a) full-length human protein.

### Sequence

MALPALGLDPWSLLGLFLFQLQLLLPTTTAGGGGQGMPRVRYAGDERRALSFFHQKGLQDF  
DTLLSGDGNTLYVGAREAILALDIQDPGVPRLLKNMIPWPASDRKKSECAFKKKSNETQCFNFIRV  
LVSYNVTHLYTCGTFAFSPACTFIELQDSYLLPISEDKVMGKGGQSPFDPAHKHTAVLVDGMLYSG  
TMNNFLGSEPILMRTLGSQPVLTNDNLRWLHHDASFVAAIPSTQVVYFFFEETASEFDFFERLHT  
SRVARVCKNDVGGEKLLQKKWTTFLKAQLLCTQPGQLPFNVIRHAVLLPADSPTAPHIYAVFTSQ  
WQVGGRSSAVCAFSLLDIERVFKGKYKELNKETSRWTTYRGPETNPRPGSCSVGPSSDKALTF  
MKDHFLMDEQVVGTPLLVKSGVEYTRLAVETAQGLDGHSHLVMYLGTGSLHKAVVSGDSSAH  
LVEEIQLPDPEPVRNLQLAPTQGA VFGVSGGVWRVPRANCSVYESCVDCVLARDPHCAWDP  
ESRTCCLLSAPNLNSWKQDMERGNPEWACASGPMRSRLRPQSRPQIIKEVLAVPNSILELPCPH  
LSALASYWSHGPAAPVEASSTVYNGSLLLIVQDGVGGLYQCWATENGFSYPVISYWVDSQDQTL  
ALDPELAGIPREHVKVPLTRVSGGAALAAQQSYWPHFVTVTVLFALVLSGALILVASPLRALRAR  
GKVQGCETLRPGEKAPLSREQHLQSPKECRTSASDVDADNNCLGTEVA

### Host

Mouse

### Reactivity

Human

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (83); Rat (83)                                                     |
| 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 — SEMA4A

|                     |                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">64218</a>                                                                                                                                                                                              |
| GeneBank Accession# | <a href="#">NM_022367</a>                                                                                                                                                                                          |
| Protein Accession#  | <a href="#">NP_071762.2</a>                                                                                                                                                                                        |
| Gene Name           | SEMA4A                                                                                                                                                                                                             |
| Gene Alias          | CORD10, FLJ12287, RP35, SEMAB, SEMB                                                                                                                                                                                |
| Gene Description    | sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A                                                                                                   |
| Omim ID             | <a href="#">607292</a> <a href="#">610282</a> <a href="#">610283</a>                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                          |
| Gene Summary        | SEMA4A is a member of the semaphorin family of soluble and transmembrane proteins. Semaphorins are involved in guidance of axonal migration during neuronal development and in immune responses.[supplied by OMIM] |
| Other Designations  | OTTHUMP00000015916 OTTHUMP00000015917 OTTHUMP00000015918 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4A semaphorin B                                          |

## Pathway

- [Axon guidance](#)

## Disease

- [Retinal Diseases](#)