

## Rabbit anti-Human SEMA4C Polyclonal Antibody | anti-SEMA4C antibody

SEMA4C Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA303259</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

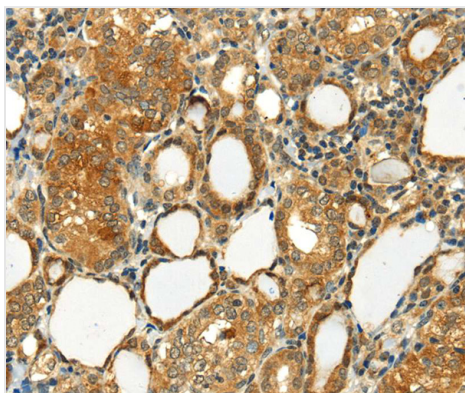
### PRODUCT SYNONYMS

SEMA4C; Polyclonal Antibody; SEMA4C Antibody; SEMAF; SEMAI; SEMACL1; M-SEMA-F; anti-SEMA4C antibody

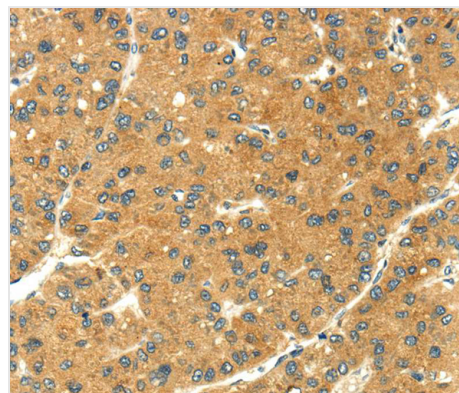
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                        |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                 |
| Reactivity                                       | Human                                                                                                                                                                                  |
| Clonality                                        | Polyclonal                                                                                                                                                                             |
| Specificity                                      | The antibody detects endogenous levels of total SEMA4C protein.                                                                                                                        |
| Purity/Purification                              | Antigen affinity purification.                                                                                                                                                         |
| Form/Format                                      | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                                                                                                        |
| Concentration                                    | 1.1 mg/ml (varies by lot)                                                                                                                                                              |
| Sequence Length                                  | 833                                                                                                                                                                                    |
| Applicable Applications for anti-SEMA4C antibody | IHC (Immunohistochemistry)                                                                                                                                                             |
| Immunogen Type                                   | Protein                                                                                                                                                                                |
| Immunogen Description                            | Fusion protein corresponding to residues near the C terminal of human sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C |
| Target Name                                      | SEMA4C                                                                                                                                                                                 |
| Preparation and Storage                          | Store at -20 degree C                                                                                                                                                                  |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/20.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/20.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SEMA4C antibody | Cell surface receptor for PLXNB2 that plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. Required for normal brain development, axon guidance and cell migration (By similarity). Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade. |
| Product Categories/Family for anti-SEMA4C antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 157388902                                                                                                        |
| NCBI GeneID                      | 54910                                                                                                            |
| NCBI Accession #                 | NP_060259.4                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_017789.4                                                                                                      |
| UniProt Accession #              | Q9C0C4; Q32MJ3; Q7Z5X0                                                                                           |
| Molecular Weight                 | 92,623 Da                                                                                                        |
| NCBI Official Full Name          | semaphorin-4C                                                                                                    |
| NCBI Official Synonym Full Names | sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C |
| NCBI Official Symbol             | SEMA4C                                                                                                           |
| NCBI Official Synonym Symbols    | SEMAF; SEMAI; SEMACL1; M-SEMA-F                                                                                  |
| NCBI Protein Information         | semaphorin-4C                                                                                                    |
| UniProt Protein Name             | Semaphorin-4C                                                                                                    |
| UniProt Gene Name                | SEMA4C                                                                                                           |
| UniProt Synonym Gene Names       | KIAA1739; SEMAI                                                                                                  |
| UniProt Entry Name               | SEM4C_HUMAN                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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