

## Rabbit anti-Human, Mouse PLXNA4 Polyclonal Antibody | anti-PLXNA4 antibody

PLXNA4 Conjugated Antibody

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
| CATALOG #<br><b>AAA312766</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> |
|-------------------------------|-----------------------|-----------------------------------|

### PRODUCT SYNONYMS

PLXNA4; Polyclonal Antibody; PLXNA4 Conjugated Antibody; PLEXA4; PLXNA4A; PLXNA4B; FAYV2820; PRO34003; anti-PLXNA4 antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------|
| Host                    | Rabbit                                                                                        |
| Reactivity              | Human, Mouse                                                                                  |
| Clonality               | Polyclonal                                                                                    |
| Specificity             | The antibody detects endogenous levels of total PLXNA4 protein.                               |
| Form/Format             | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide   |
| Immunogen               | Synthetic peptide corresponding to a region derived from internal residues of human plexin A4 |
| Conjugation             | AF405                                                                                         |
| Preparation and Storage | Store at 4 degree C in the dark for 6 months.                                                 |

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Related Product Information for anti-PLXNA4 antibody | Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm. |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 113722116                                       |
| NCBI GeneID                      | 5362                                            |
| NCBI Accession #                 | <a href="#">NP_079455</a>                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_025179</a>                       |
| UniProt Accession #              | <a href="#">Q9HCM2</a> ; <a href="#">O75051</a> |
| Molecular Weight                 | 211kDa                                          |
| NCBI Official Full Name          | plexin-A2                                       |
| NCBI Official Synonym Full Names | plexin A2                                       |
| NCBI Official Symbol             | PLXNA2                                          |
| NCBI Official Synonym Symbols    | OCT; PLXN2                                      |
| NCBI Protein Information         | plexin-A2                                       |

|                            |                            |
|----------------------------|----------------------------|
| UniProt Protein Name       | Plexin-A4                  |
| UniProt Gene Name          | <b>PLXNA4</b>              |
| UniProt Synonym Gene Names | KIAA1550; PLXNA4A; PLXNA4B |

**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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