

## Rabbit anti-Human, mouse Epha4 Polyclonal Antibody | anti-Epha4 antibody

Mouse Epha4 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA288743 | Rabbit | Human, mouse | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

Epha4; Polyclonal Antibody; Mouse Epha4 Antibody (Center); Ephrin type-A receptor 4; Tyrosine-protein kinase receptor MPK-3; Tyrosine-protein kinase receptor SEK-1; Sek; Sek1; anti-Epha4 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, mouse                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This Mouse Epha4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 464-492 amino acids from the Central region of mouse Epha4.    |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 464-492                                                                                                                                                                      |
| Sequence Length                                 | 986                                                                                                                                                                          |
| Applicable Applications for anti-Epha4 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | MOUSE                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IHC (Immunohistochemistry)

Mouse Epha4 Antibody (Center) (AAA288743) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Epha4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

Mouse Epha4 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the Epha4 antibody detected the Epha4 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Epha4 antibody | Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A4 and -A5. Binds more poorly to ephrin-A2 and -A3. May play a role in a signal transduction process involved in hindbrain pattern formation.                                                                             |
| Product Categories/Family for anti-Epha4 antibody   | Cardiovascular; Neuroscience; Signal Transduction                                                                                                                                                                                                                                           |
| References                                          | Kuwako, K., et al. Neuron 67(3):407-421(2010)<br>Qu, Y., et al. J. Neurosci. 30(28):9392-9401(2010)<br>Oginuma, M., et al. Development 137(9):1515-1522(2010)<br>Xie, Z., et al. Proc. Natl. Acad. Sci. U.S.A. 107(14):6510-6515(2010)<br>Galimberti, I., et al. Neuron 65(5):627-642(2010) |

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 34328113                                                  |
| NCBI GeneID                      | 13838                                                     |
| NCBI Accession #                 | NP_031962.2                                               |
| NCBI GenBank Nucleotide #        | NM_007936.3                                               |
| UniProt Accession #              | Q03137; Q80VZ2                                            |
| Molecular Weight                 | 109814                                                    |
| NCBI Official Full Name          | ephrin type-A receptor 4                                  |
| NCBI Official Synonym Full Names | Eph receptor A4                                           |
| NCBI Official Symbol             | Epha4                                                     |
| NCBI Official Synonym Symbols    | rb; Sek; Cek8; Hek8; Sek1; Tyro1; AI385584; 2900005C20Rik |
| NCBI Protein Information         | ephrin type-A receptor 4                                  |
| UniProt Protein Name             | Ephrin type-A receptor 4                                  |
| UniProt Gene Name                | Epha4                                                     |
| UniProt Synonym Gene Names       | Sek; Sek1                                                 |
| UniProt Entry Name               | EPHA4_MOUSE                                               |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/epha4-antibody-immunohistochemistry-western-blot-elisa/288743>