

## Rabbit EphA5 Polyclonal Antibody | anti-EphA5 antibody

EphA5 Polyclonal Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA294765</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

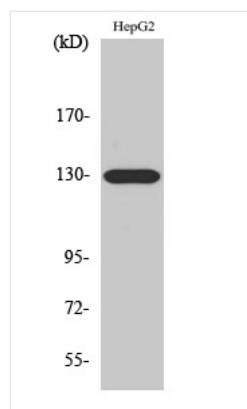
### PRODUCT SYNONYMS

EphA5; Polyclonal Antibody; EphA5 Polyclonal Antibody; EPHA5; BSK; EHK1; HEK7; TYRO4; Ephrin type-A receptor 5; Brain-specific kinase; EPH homology kinase 1; EHK-1; EPH-like kinase 7; EK7; hEK7; anti-EphA5 antibody

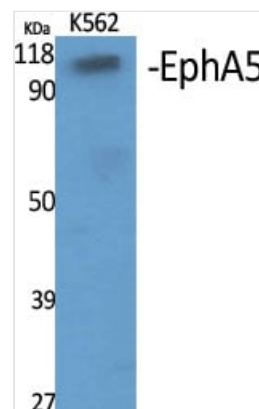
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-EphA5 antibody | WB (Western Blot)                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-EphA5 antibody

Receptor tyrosine kinase which binds promiscuously GPI- anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Among GPI-anchored ephrin-A ligands, EFNA5 most probably constitutes the cognate/functional ligand for EPHA5. Functions as an axon guidance molecule during development and may be involved in the development of the retinotectal, entorhino- hippocampal and hippocamposeptal pathways. Together with EFNA5 plays also a role in synaptic plasticity in adult brain through regulation of synaptogenesis. In addition to its function in the nervous system, the interaction of EPHA5 with EFNA5 mediates communication between pancreatic islet cells to regulate glucose- stimulated insulin secretion (By similarity).

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 221625401                                                                                                                                                                                                   |
| NCBI GeneID                      | 2044                                                                                                                                                                                                        |
| NCBI Accession #                 | NP_004430.4                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_004439.5                                                                                                                                                                                                 |
| UniProt Accession #              | P54756; Q7Z3F2                                                                                                                                                                                              |
| Molecular Weight                 | 114,803 Da                                                                                                                                                                                                  |
| NCBI Official Full Name          | ephrin type-A receptor 5 isoform a                                                                                                                                                                          |
| NCBI Official Synonym Full Names | EPH receptor A5                                                                                                                                                                                             |
| NCBI Official Symbol             | EPHA5                                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | CEK7; EHK1; HEK7; TYRO4                                                                                                                                                                                     |
| NCBI Protein Information         | ephrin type-A receptor 5; EK7; EHK-1; EPH-like kinase 7; EPH homology kinase 1; Eph homology kinase-1; brain-specific kinase; receptor protein-tyrosine kinase HEK7; tyrosine-protein kinase receptor EHK-1 |
| UniProt Protein Name             | Ephrin type-A receptor 5                                                                                                                                                                                    |
| UniProt Gene Name                | <b>EPHA5</b>                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | BSK; EHK1; HEK7; TYRO4; EHK-1; EK7; hEK7                                                                                                                                                                    |
| UniProt Entry Name               | EPHA5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/epha5-antibody-western-blot-elisa/294765>