



## EphA2/5 Monoclonal Antibody

| Catalog No         | BYmab-13712  |
|--------------------|--|
| Isotype            | IgG  |
| Reactivity         | Human;Mouse  |
| Applications       | WB   |
| Gene Name          | EPHA2/EPHA5  |
| Protein Name       | Ephrin type-A receptor 2/5   |
| Immunogen          | Synthesized peptide derived from EphA2/5 . at AA range: 530-610  |
| Specificity        | EphA2/5 Monoclonal Antibody detects endogenous levels of EphA2/5 protein.  |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Source             | Monoclonal, Mouse,IgG  |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000  |
| Concentration      | 1 mg/ml  |
| Purity             | ≥90%   |
| Storage Stability  | -20°C/1 year   |
| Synonyms           | EPHA2; ECK; Ephrin type-A receptor 2; Epithelial cell kinase; Tyrosine-protein kinase receptor ECK; 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   |
| Observed Band      | 110kD  |
| Cell Pathway       | Cell membrane ; Single-pass type I membrane protein . Cell projection, ruffle membrane ; Single-pass type I membrane protein . Cell projection, lamellipodium membrane ; Single-pass type I membrane protein . Cell junction, focal adhesion . Present at regions of cell-cell contacts but also at the leading edge of migrating cells (PubMed:19573808, PubMed:20861311). Relocates from the plasma membrane to the cytoplasmic and perinuclear regions in cancer cells (PubMed:18794797). |
| Tissue Specificity | Expressed in brain and glioma tissue and glioma cell lines (at protein level).<br>Expressed most highly in tissues that contain a high proportion of epithelial cells,<br>e.g. skin, intestine, lung, and ovary.   |
| Function           | catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-A family. Binds to   |
|                    | Nanjing BYabscience technology Co.,Ltd   |

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| <b>博研生物</b><br>BYabscience | 国内优质抗体供应商<br>「<br>「<br>「<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」<br>」   |  |
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|                            | ephrin-A1, -A3, -A4 and -A5.,similarity:Belongs to the protein kinase superfamily.<br>Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein<br>kinase domain.,similarity:Contains 1 SAM (sterile alpha motif)<br>domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with<br>SLA (By similarity). Interacts with INPPL1/SHIP2.,tissue specificity:Expressed<br>most highly in tissues that contain a high proportion of epithelial cells, e.g., skin,<br>intestine, lung, and ovary.,   |  |
| Background                 | This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase<br>family. EPH and EPH-related receptors have been implicated in mediating<br>developmental events, particularly in the nervous system. Receptors in the EPH<br>subfamily typically have a single kinase domain and an extracellular region<br>containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin<br>receptors are divided into 2 groups based on the similarity of their extracellular<br>domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.<br>This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene<br>are the cause of certain genetically-related cataract disorders.[provided by<br>RefSeq, May 2010], |  |
| matters needing attention  | Avoid repeated freezing and thawing!  |  |
| Usage suggestions          | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.   |  |
| Products Images            |   |  |

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