

## EphA7 Monoclonal Antibody

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| <b>Catalog No :</b>          | YM0227  |
| <b>Reactivity :</b>          | Human   |
| <b>Applications :</b>        | WB;IHC;IF;ELISA   |
| <b>Target :</b>              | EPHA7   |
| <b>Fields :</b>              | >>Axon guidance   |
| <b>Gene Name :</b>           | EPHA7   |
| <b>Protein Name :</b>        | Ephrin type-A receptor 7  |
| <b>Human Gene Id :</b>       | 2045  |
| <b>Human Swiss Prot No :</b> | Q15375  |
| <b>Mouse Swiss Prot No :</b> | Q61772  |
| <b>Immunogen :</b>           | Purified recombinant fragment of EphA7 (aa27-210) expressed in E. Coli. |
| <b>Specificity :</b>         | EphA7 Monoclonal Antibody detects endogenous levels of EphA7 protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| <b>Source :</b>              | Monoclonal, Mouse   |
| <b>Dilution :</b>            | WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200     |
| <b>Purification :</b>        | Affinity purification   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)                          |
| <b>Molecularweight :</b>     | 112kD   |
| <b>Cell Pathway :</b>        | Axon guidance;  |

**P References :** 1. Genome Res. 2004 Oct;14(10B):2121-7.  
2. Nature. 2005 Oct 20;437(7062):1173-8.

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**Background :** This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Increased expression of this gene is associated with multiple forms of carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013],

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**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 ephrin-A1, -A2, -A3, -A4 and -A5.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with PRKCABP and GRIP1.,tissue specificity:Widely expressed.,

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**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein .

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**Expression :** Widely expressed.

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**Sort :** 5636

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**No4 :** 1

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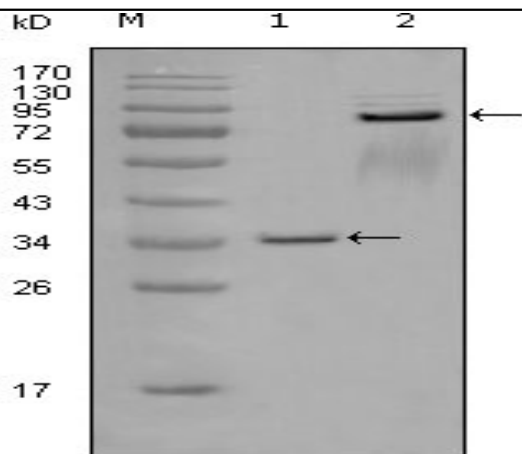
**Host :** Mouse

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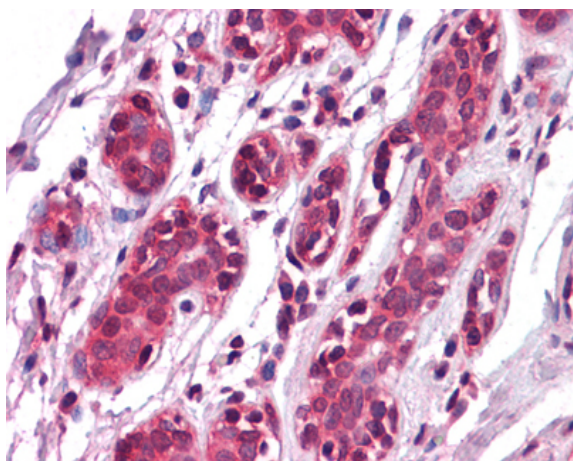
**Modifications :** Unmodified

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**Products Images**



Western Blot analysis using EphA7 Monoclonal Antibody against truncated GST-EphA7 recombinant protein (1) and truncated EphA7 (aa25-556)-hlgGfc transfected CHOK1 cell lysate (2).



Immunohistochemistry analysis of paraffin-embedded human Breast tissues with AEC staining using EphA7 Monoclonal Antibody.