

## EphA7 Monoclonal Antibody

<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.

**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],

**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.,

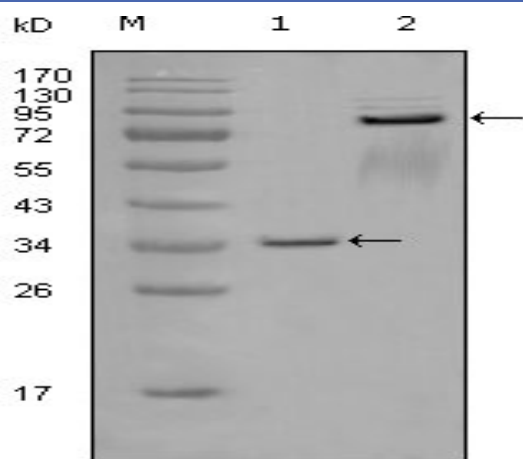
**Subcellular**
**Location :**

Cell membrane ; Single-pass type I membrane protein .

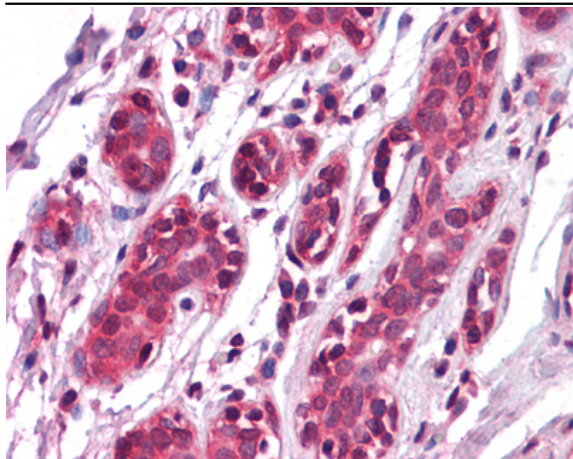
**Expression :**

Widely expressed.

## Products Images



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



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