

**EPHA7 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15025****Specification**

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**EPHA7 Antibody - C-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q15375</a>
Other Accession	<a href="#">NM_004440</a> , <a href="#">NP_004431</a>
Reactivity	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Predicted	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>112kDa KDa</b>

**EPHA7 Antibody - C-terminal region - Additional Information****Gene ID** 2045**Alias Symbol** **EHK3, HEK11****Other Names**

Ephrin type-A receptor 7, 2.7.10.1, EPH homology kinase 3, EHK-3, EPH-like kinase 11, EK11, hEK11, EPHA7, EHK3, HEK11

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-EPHA7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

EPHA7 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**EPHA7 Antibody - C-terminal region - Protein Information****Name** EPHA7**Synonyms** EHK3, HEK11**Function**

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 is a cognate/functional ligand for EPHA7 and their interaction regulates brain development modulating cell-cell adhesion and repulsion. Has a repellent activity on axons and is for instance involved in the guidance of corticothalamic axons and in the proper topographic mapping of retinal axons to the colliculus. May also regulate brain development through a caspase(CASP3)-dependent proapoptotic activity. Forward signaling may result in activation of components of the ERK signaling pathway including MAP2K1, MAP2K2, MAPK1 and MAPK3 which are phosphorylated upon activation of EPHA7.

#### **Cellular Location**

Cell membrane; Single-pass type I membrane protein

#### **Tissue Location**

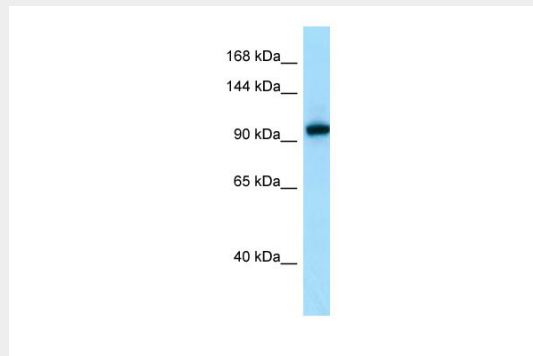
Widely expressed.

### **EPHA7 Antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **EPHA7 Antibody - C-terminal region - Images**



WB Suggested Anti-EPHA7 Antibody Titration: 1.0 µg/ml

Positive Control: OVCAR-3 Whole Cell  
EPHA7 is supported by BioGPS gene expression data to be expressed in OVCAR3

### **EPHA7 Antibody - C-terminal region - References**

- Fox G.M., et al. *Oncogene* 10:897-905(1995).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.  
Mungall A.J., et al. *Nature* 425:805-811(2003).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.