

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

Specification

EPHA7 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q15375
Other Accession	NM_004440 , NP_004431
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112kDa KDa

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

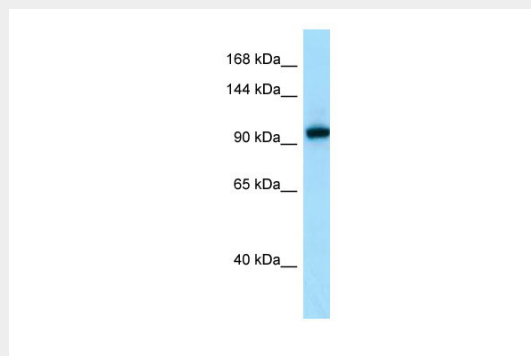
Widely expressed.

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.