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Anti-EPHA6 Antibody

Catalog # AP51189

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9UF33
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116379

Additional Information

Gene ID	285220
Other Names	EHK2; HEK12; Ephrin type-A receptor 6; EPH homology kinase 2; EHK-2; EPH-like kinase 12; EK12
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EPHA6. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

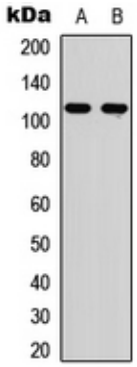
Protein Information

Name	EPHA6
Synonyms	EHK2, HEK12
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 (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed in brain and testis.

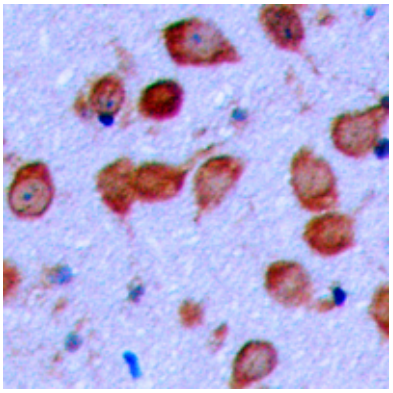
References

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Muzny D.M.,et al.Nature 440:1194-1198(2006).
Hafner C.,et al.Clin. Chem. 50:490-499(2004).
Greenman C.,et al.Nature 446:153-158(2007).

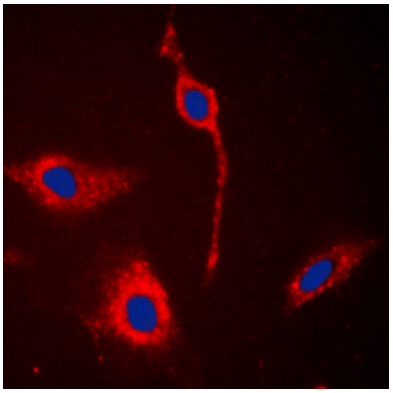
Images



Western blot analysis of EPHA6 expression in A549 (A), NS-1 (B) whole cell lysates. (Predicted band size: 116 kD; Observed band size: 116 kD)



Immunohistochemical analysis of EPHA6 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EPHA6 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Citations

- Erythropoietin-producing hepatocellular A6 overexpression is a novel biomarker of poor prognosis in patients with breast cancer.

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