

**EPHA1 (Phospho Tyr605) Polyclonal Antibody**

<b>Catalog No :</b>	YP1229
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;WB
<b>Target :</b>	EPHA1
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	EPHA1 EPH EPHT EPHT1
<b>Protein Name :</b>	EPHA1 (Phospho-Tyr605)
<b>Human Gene Id :</b>	2041
<b>Human Swiss Prot No :</b>	P21709
<b>Immunogen :</b>	Synthesized peptide derived from human EPHA1 (Phospho-Tyr605)
<b>Specificity :</b>	This antibody detects endogenous phospho levels of EPHA1 (Phospho-Tyr605) at Human:Y605, Mouse:Y606
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200, WB 1:500-2000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	108kD

**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. This gene is expressed in some human cancer cell lines and has been implicated in carcinogenesis. [provided by RefSeq, Jul 2008],

**Function :**

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-A family. Binds with a low affinity to ephrin-A1.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,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.,tissue specificity:Overexpressed in several carcinomas.,

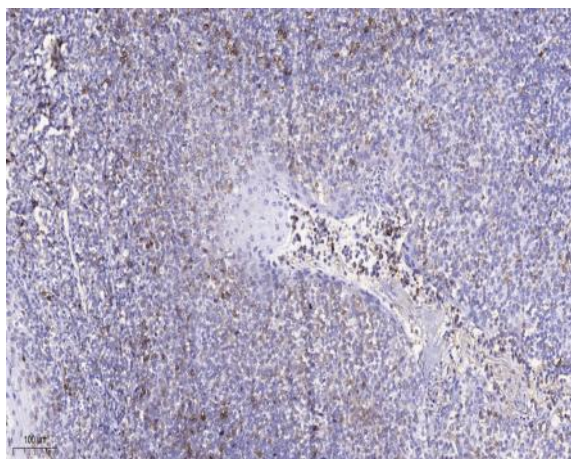
**Subcellular Location :**

Cell membrane ; Single-pass type I membrane protein .

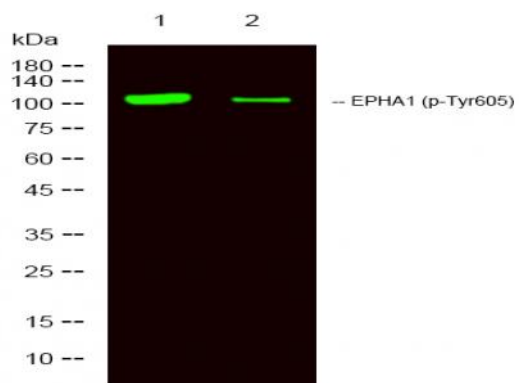
**Expression :**

Overexpressed in several carcinomas.

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot analysis of 1 HeLa treated with LPS, 2 HeLa, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000