Best Tools for immunology Research

EphB3 Polyclonal Antibody

Catalog No :	YT6019
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	EphB3
Fields :	>>Axon guidance
Gene Name :	EPHB3 ETK2 HEK2 TYRO6
Protein Name :	Ephrin type-B receptor 3 (EC 2.7.10.1) (EPH-like tyrosine kinase 2) (EPH-like kinase 2) (Embryonic kinase 2) (EK2) (hEK2) (Tyrosine-protein kinase TYRO6)
Human Gene Id :	2049
Human Swiss Prot No :	P54753
Mouse Gene Id :	13845
Mouse Swiss Prot No :	P54754
Immunogen :	Synthetic peptide from human protein at AA range: 650-700
Specificity :	The antibody detects endogenous EphB3
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Cell Pathway : Axon guidance;

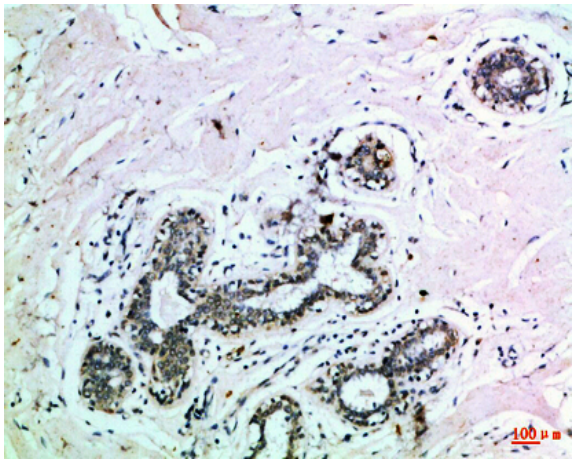
Background : Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010],

Function : catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-B family. Binds to ephrin-B1 and -B2.,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:Ubiquitous.,

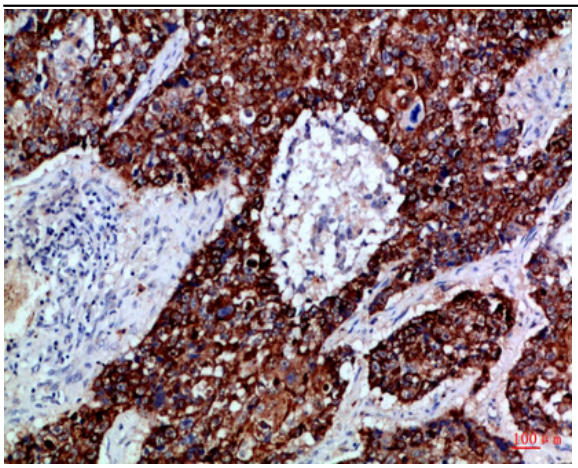
Subcellular Location : Cell membrane ; Single-pass type I membrane protein . Cell projection, dendrite .

Expression : Ubiquitous.

Products Images



Immunohistochemical analysis of paraffin-embedded Human-breast, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-lung-cancer, antibody was diluted at 1:100