

EphB3 Monoclonal Antibody

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|------------------------------|---|
| Catalog No : | YM0231 |
| Reactivity : | Human |
| Applications : | WB;IHC;IF;ELISA |
| Target : | EphB3 |
| Fields : | >>Axon guidance |
| Gene Name : | EPHB3 |
| Protein Name : | Ephrin type-B receptor 3 |
| Human Gene Id : | 2049 |
| Human Swiss Prot No : | P54753 |
| Mouse Swiss Prot No : | P54754 |
| Immunogen : | Purified recombinant fragment of EphB3 (aa39-212) expressed in E. Coli. |
| Specificity : | EphB3 Monoclonal Antibody detects endogenous levels of EphB3 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Monoclonal, Mouse |
| Dilution : | WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200 |
| Purification : | Affinity purification |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Molecularweight : | 110kD |
| Cell Pathway : | Axon guidance; |

P References :

1. Oncogene. 1998 Jan 29;16(4):471-80.
 2. Pharmacol Ther. 1998 Mar;77(3):151-81.
 3. Proc Natl Acad Sci U S A. 1998 Aug 18;95(17):9779-84.
 4. J Biol Chem. 2002 Jun 21;277(25):23037-43.
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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.

Sort :

5649

No4 :

1

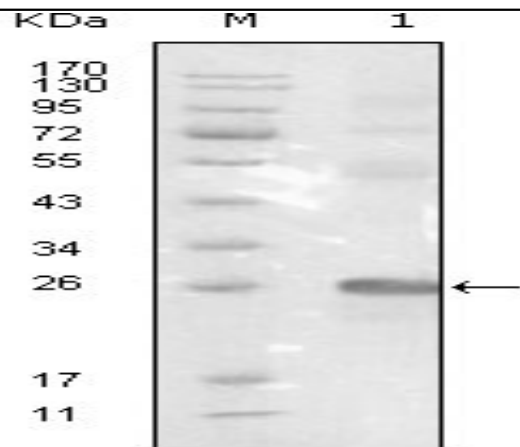
Host :

Mouse

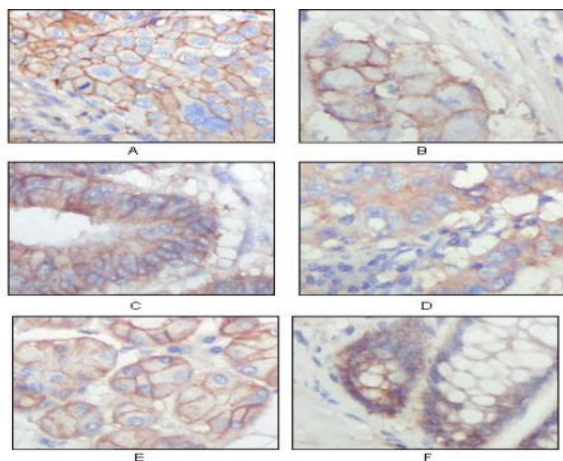
Modifications :

Unmodified

Products Images



Western Blot analysis using EphB3 Monoclonal Antibody against truncated EphB3-His recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human lung squamous cell carcinoma (A), lung adenocarcinoma (B), colon carcinoma (C), breast carcinoma (D), normal sublingual gland (E), normal rectal (F), showing membrane localization with DAB staining