

EphA4 Mouse mAb

CatalogNo: YM0224 **Orthogonal Validated** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,ELISA

MW

- 110kD (Calculated)

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Basic Information

Clonality Monoclonal**Clone Number** 20B3

Immunogen Information

Immunogen Purified recombinant fragment of EphA4 (aa777-986) expressed in E. Coli.**Specificity** EphA4 Monoclonal Antibody detects endogenous levels of EphA4 protein.

Target Information

Gene name EPHA4

Protein Name Ephrin type-A receptor 4

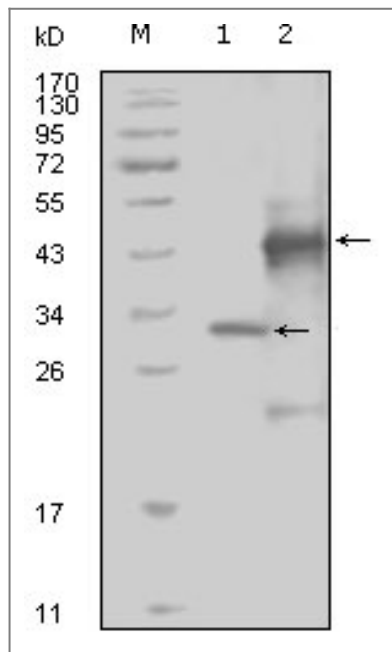
Organism	Gene ID	UniProt ID
Human	2043;	P54764;
Mouse		Q03137;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Cell projection, axon . Cell projection, dendrite . Cell junction, synapse, postsynaptic density membrane . Early endosome . Cell junction, adherens junction . Clustered upon activation and targeted to early endosome. .

Tissue specificity Ubiquitous.

Function Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Domain:The protein kinase domain mediates interaction with NGEF/ephexin-1.,Function:Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A4 and -A5. Binds more poorly to ephrin-A2 and -A3. May play a role in a signal transduction process involved in hindbrain pattern formation.,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.,subunit:Interacts with the src family kinase, p59-Fyn, through the major phosphorylation site at position Tyr-602. Interacts with NGEF/ephexin-1.,tissue specificity:Ubiquitous.,

Validation Data



Western Blot analysis using EphA4 Monoclonal Antibody against truncated Trx-EphA4 recombinant protein (1) and truncated GST-EphA4(aa777-986) recombinant protein (2).

| Contact information

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EphA4 Mouse mAb

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