

EphB1 Mouse mAb

CatalogNo: YM0229

| Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 110kD (Calculated)

| Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:200-1:1000

ELISA 1:10000

IF 1:50-200

| 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.

| Basic Information

Clonality Monoclonal

| Immunogen Information

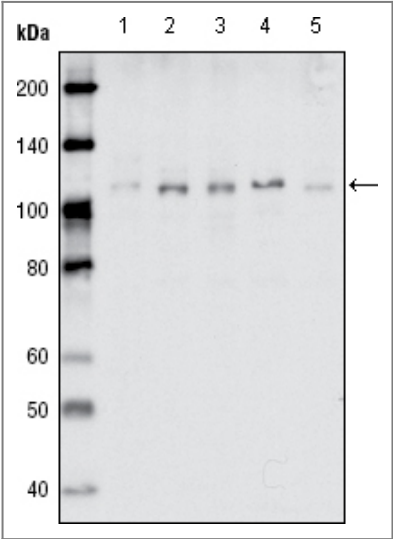
Immunogen Purified recombinant fragment of EphB1 (aa19-133) expressed in E. Coli.

Specificity EphB1 Monoclonal Antibody detects endogenous levels of EphB1 protein.

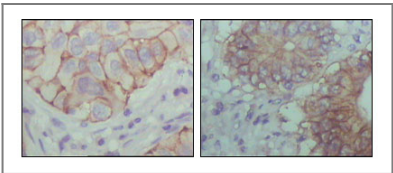
| Target Information

Gene name	EPHB1		
Protein Name	Ephrin type-B receptor 1		
	Organism	Gene ID	UniProt ID
	Human	2047;	P54762;
	Mouse		Q8CBF3;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Early endosome membrane . Cell projection, dendrite .		
Tissue specificity	Preferentially expressed in brain.		
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, -B2 and -B3. May be involved in cell-cell interactions in the nervous system.,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:The ligand-activated form interacts with GRB2, GRB10 and NCK through their respective SH2 domains. The GRB10 SH2 domain binds EPHB1 through Tyr-928, while GRB2 binds residues within the catalytic domain. Interacts with EPHB6. The NCK SH2 domain binds EPHB1 through Tyr-594. Interacts with PRKCABP.,tissue specificity:Preferentially expressed in brain.,		

Validation Data



Western Blot analysis using EphB1 Monoclonal Antibody against MDA-MB-468 (1), MDA-MB-453 (2), MCF-7 (3), T47D (4) and SKBR-3 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human lung cancer (left) and colon cancer (right) showing cytoplasmic localization with DAB staining using EphB1 Monoclonal Antibody.

| Contact information

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product information:

EphB1 Mouse mAb

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