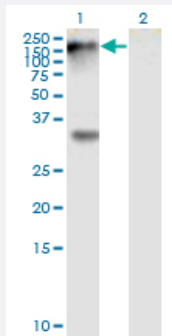


EPHB1 monoclonal antibody (M01), clone 4G6

Catalog # H00002047-M01

Size 100 ug

Applications

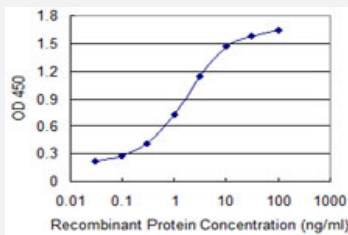


Western Blot (Transfected lysate)

Western Blot analysis of EPHB1 expression in transfected 293T cell line by EPHB1 monoclonal antibody (M01), clone 4G6.

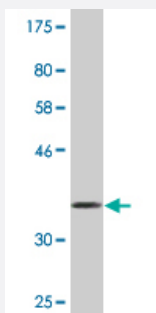
Lane 1: EPHB1 transfected lysate (Predicted MW: 109.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPHB1 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant EPHB1.

| | |
|-------------------------|--|
| Immunogen | EPHB1 (NP_004432.1, 221 a.a. ~ 320 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | ARGTCIPNAEEVDVPIKLYCNGDGEWMVPIGRCTCKPGYEPENSVACKACPAGTFKASQEAEGC SHCPSNSRSPAEASPICTCRTGYRADFDPEVACT |
| Host | Mouse |
| Reactivity | Human |
| Isotype | IgG2a Kappa |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) . |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of EPHB1 expression in transfected 293T cell line by EPHB1 monoclonal antibody (M01), clone 4G6.

Lane 1: EPHB1 transfected lysate (Predicted MW: 109.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPHB1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — EPHB1

Entrez GeneID [2047](#)

GeneBank Accession# [NM_004441](#)

| | |
|--------------------|--|
| Protein Accession# | NP_004432.1 |
| Gene Name | EPHB1 |
| Gene Alias | ELK, EPHT2, FLJ37986, Hek6, NET |
| Gene Description | EPH receptor B1 |
| Omim ID | 600600 |
| Gene Ontology | Hyperlink |
| Gene Summary | 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 2 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. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq] |
| Other Designations | eph tyrosine kinase 2 ephrin receptor EphB1 soluble EPHB1 variant 1 |

Pathway

- [Axon guidance](#)

Disease

- [Carcinoma](#)
- [Depressive Disorder](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)