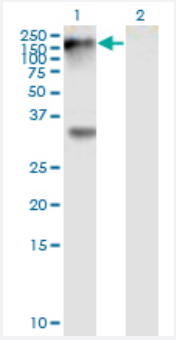
EPHB1 monoclonal antibody (M01), clone 4G6

Catalog # H00002047-M01 Size 100 ug

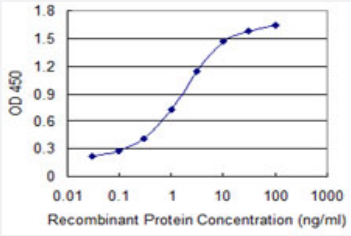
Applications



Western Blot (Transfected lysate)

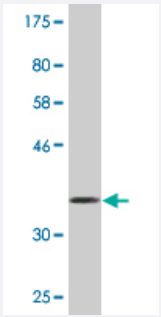
Western Blot analysis of EPHB1 expression in transfected 293T cell line by EPHB1 monoclonal antibody (M01), clone 4G6.

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	ARGTCIPNAEEVDVPIKLYCNGDGEWMVPIGRCTCKPGYEPENSVACKACPAGTFKASQEAEGCSHCPSNSRSPAEASPICTCRTGYYRADFDPPEVACT
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