

# EPHB1 rabbit monoclonal antibody

Catalog # H00002047-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human EPHB1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human EPHB1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human EPHB1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — EPHB1

Entrez GeneID	<a href="#">2047</a>
GeneBank Accession#	<a href="#">EPHB1</a>
Gene Name	EPHB1
Gene Alias	ELK, EPHT2, FLJ37986, Hek6, NET
Gene Description	EPH receptor B1
Omim ID	<a href="#">600600</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)