

For Research Use Only

# EPHB4 Recombinant monoclonal antibody

Catalog Number: 85139-9-RR



## Basic Information

<b>Catalog Number:</b> 85139-9-RR	<b>GenBank Accession Number:</b> NM_004444.4	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 2050	<b>CloneNo.:</b> 252186F2
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P54760	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IF/ICC: 1:250-1:1000
<b>Immunogen Catalog Number:</b> EG6504	<b>Full Name:</b> EPH receptor B4	
	<b>Calculated MW:</b> 108 kDa	
	<b>Observed MW:</b> 110-120 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> PC-3 cells, HeLa cells, MCF-7 cells, HT-29 cells, HT-1080 cells
	<b>IF/ICC :</b> HT-29 cells,

## Background Information

EPHB4 (Ephrin type-B receptor 4) is a member of the Eph receptor tyrosine kinase family, the largest group of receptor tyrosine kinases. It binds ephrin-B ligands to regulate embryonic vascular development, lymphangiogenesis, and adult angiogenesis. Aberrant EPHB4 signaling promotes tumor progression, metastasis, and therapy resistance in various cancers, including breast, prostate, and colorectal malignancies. As a key regulator of tumor vasculature and the tumor microenvironment, EPHB4 represents an emerging therapeutic target for anti-cancer drug development and a potential prognostic biomarker.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

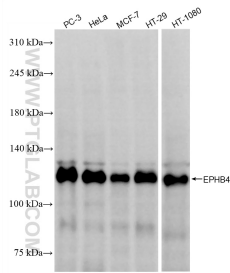
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

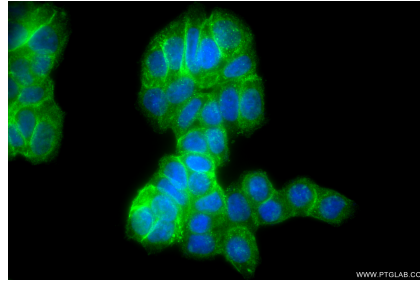
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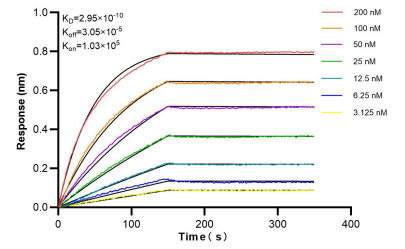
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85139-9-RR (EPHB4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using EPHB4 antibody (85139-9-RR, Clone: 252186F2) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85139-9-RR against Human EPHB4 were performed. The affinity constant is 0.295 nM.