

## Anti-Eph receptor B3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

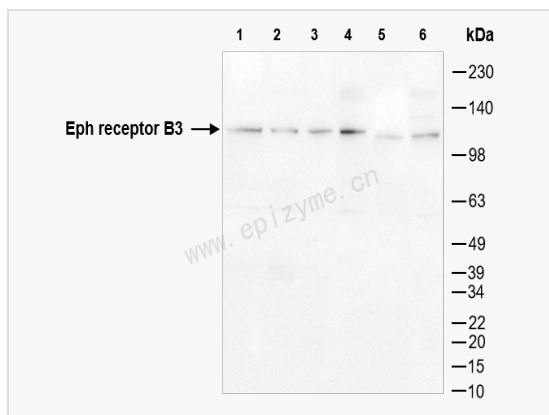
Catalog # R015316

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	69D36T68
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Eph receptor B3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Eph receptor B3 Rabbit mAb [69D36T68] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Cek10; EK2; Embryonic kinase 2; EPH Like Tyrosine Kinase 2; EPH receptor B3; EPH-like kinase 2; ephb3; EPHB3_HUMAN; Ephrin receptor EphB3; Ephrin type B receptor 3; Ephrin type-B receptor 3; ETK2; hEK2; Human Embryo Kinase 2; Mdk5; Sek4; TYRO6; Tyrosine protein kinase receptor HEK2; Tyrosine protein kinase TYRO6; Tyrosine-protein kinase TYRO6.
Calculated MW	Calculated MW: 110 kDa; Observed MW: 120 kDa
Uniprot ID	P54753
Gene ID	2049
Background	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 two 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. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010]
Cellular Location	Membrane.
Tissue Location	Ubiquitous.



Western Blot - Anti-Eph receptor B3 Rabbit mAb [69D36T68]

All lanes: R015316 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

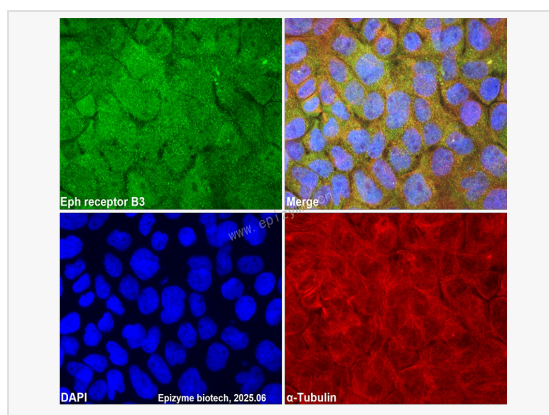
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 110 kDa

Observed band size: 120 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Eph receptor B3 Rabbit mAb [69D36T68]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015316 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).