

Product Name: KD-Validated Eph Receptor B3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01622

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 110.3kDa

Antigen Information

Gene Name	EPHB3 EPHB3; Eph Receptor B3; HEK2; TYRO6; ETK2; Tyrosine-Protein Kinase TYRO6; Eph-Like
Alternative Names	Tyrosine Kinase 2; Ephrin Type-B Receptor 3; Embryonic Kinase 2; EC 2.7.10.1; EK2; Human Embryo Kinase 2; Eph-Like Kinase 2; EC 2.7.10; Tyro6; EphB3; Hek2
Gene ID	2049.0
SwissProt ID	P54753
Immunogen	A synthesized peptide derived from human Eph receptor B3

Background

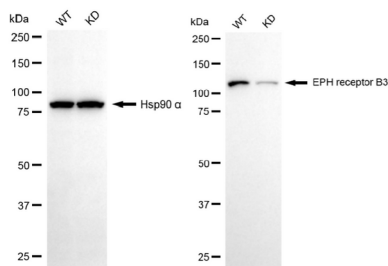
Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are

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]

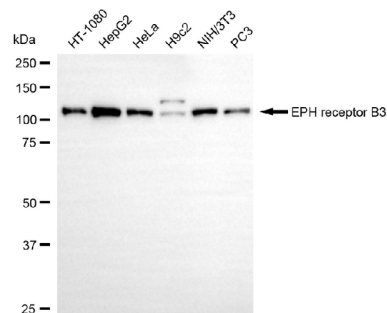
Research Area

Neuroscience

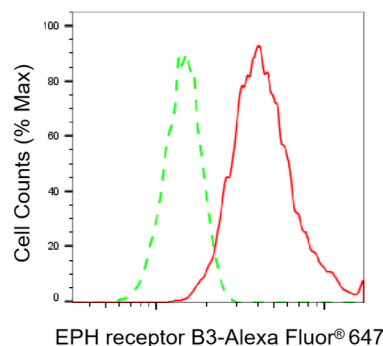
Image Data



Western blotting analysis using EPH receptor B3 antibody (KVA01622). EPH receptor B3 expression in wild-type (WT) and EPH receptor B3 (EPHB3) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EPH receptor B3 antibody (KVA01622, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using EPH receptor B3 antibody (KVA01622). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EPH receptor B3 antibody (KVA01622, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of EPH receptor B3 expression in C2C12 cells using EPH receptor B3 antibody (KVA01622, 1:2,000). Green, isotype control; red, EPH receptor B3.