

Product Name: KD-Validated Ephrin B2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01628

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 36.9kDa

Antigen Information

Gene Name	EFNB2 EFNB2; Ephrin B2; LERK5; HTKL; HTK Ligand; Ephrin-B2; EPLG5; Eph-Related Receptor
Alternative Names	Tyrosine Kinase Ligand 5; Ligand Of Eph-Related Kinase 5; MGC126226; MGC126227; MGC126228; Htk-L; HTK-L; EPH-Related Receptor Tyrosine Kinase Ligand 5; LERK-5
Gene ID	1948.0
SwissProt ID	P52799
Immunogen	A synthesized peptide derived from human Ephrin B2

Background

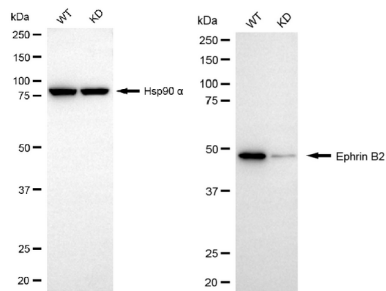
This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous

system and in erythropoiesis. 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors. [provided by RefSeq, Jul 2008]

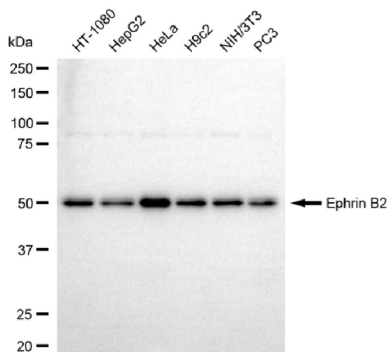
Research Area

Cardiovascular, Neuroscience, Cancer

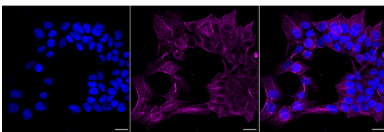
Image Data



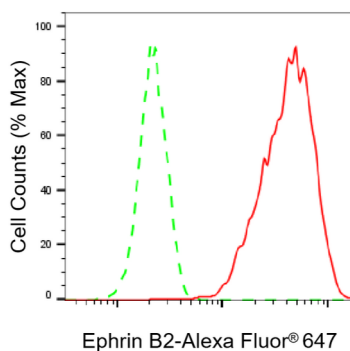
Western blotting analysis using ephrin B2 antibody (KVA01628). Ephrin B2 expression in wild-type (WT) and ephrin B2 (EFNB2) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ephrin B2 antibody (KVA01628, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ephrin B2 antibody (KVA01628). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ephrin B2 antibody (KVA01628, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Ephrin B2 antibody (KVA01628, 1:1,000). Nuclei were stained blue with DAPI; Ephrin B2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Ephrin B2 expression in HAP-1 cells using Ephrin B2 antibody (KVA01628, 1:2,000). Green, isotype control; red, Ephrin B2.