
Product Name: KD-Validated Endothelin Receptor Type B Recombinant Rabbit Monoclonal Antibody**Catalog #: KVAb01405**

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: 49.6kDa

Antigen Information

Gene Name	EDNRB EDNRB; Endothelin Receptor Type B; ETB; Endothelin Receptor Non-Selective Type; ET-BR;
Alternative Names	HSCR2; ET-B; ETRB; HSCR; Endothelin Receptor Subtype B1; Hirschsprung Disease 2; ABCDS; ETB1; ETBR; WS4A
Gene ID	1910.0
SwissProt ID	P24530
Immunogen	A synthesized peptide derived from human Endothelin B Receptor

Background

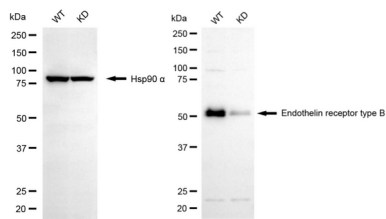
The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second

messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]

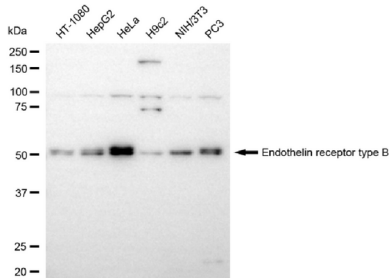
Research Area

Signal Transduction

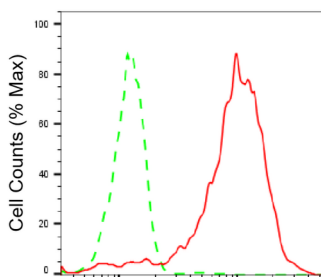
Image Data



Western blotting analysis using endothelin receptor type B antibody (KVA01405). Endothelin receptor type B expression in wild-type (WT) and endothelin receptor type B (EDNRB) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with endothelin receptor type B antibody (KVA01405, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using endothelin receptor type B antibody (KVA01405). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with endothelin receptor type B antibody (KVA01405, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Endothelin receptor type B-Alexa Fluor® 647

Flow cytometric analysis of Endothelin receptor type B expression in HepG2 cells using Endothelin receptor type B antibody (KVA01405, 1:2,000). Green, isotype control; red, Endothelin receptor type B.