

Rabbit EDNRB Polyclonal Antibody | anti-EDNRB antibody

EDNRB Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283991	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Pig, Rabbit, Rat)	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

EDNRB; Polyclonal Antibody; EDNRB Antibody (C-term); ETRB; anti-EDNRB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EDNRB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 409-439 amino acids from the C-terminal region of human EDNRB.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	409-439
Sequence Length	439
Applicable Applications for anti-EDNRB antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Primary Accession	P24530
Other Accession	P21451, Q9N0W7, P35463, P48302, P28088, O62709
Antigen Source	HUMAN
Function	Non-specific receptor for endothelin 1, 2, and 3. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells
Precautions	EDNRB Antibody (C-term) is for research use only
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
EDNRB Antibody (C-term) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of EDNRB Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
EDNRB Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of EDNRB Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EDNRB Antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). EDNRB (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EDNRB antibody	EDNRB 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.
Product Categories/Family for anti-EDNRB antibody	Signal Transduction; GPCR Antibodies
References	MacClellan, L.R., et.al., Stroke 40 (10), E550-E557 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557547
NCBI GeneID	1910
NCBI Accession #	NP_000106.1; NP_001116131.1; NP_001188326.1; NP_003982.1
NCBI GenBank Nucleotide #	NM_000115.3
UniProt Accession #	P24530; O15343; Q59GB1; Q5W0G9; Q8NHM6; Q8NHM7; Q8NHM8; Q8NHM9; Q9UD23; Q9UQK3; A2A2Z8; A8K3T4; AAB24922
Molecular Weight	49644
NCBI Official Full Name	endothelin B receptor isoform 1
NCBI Official Synonym Full Names	endothelin receptor type B
NCBI Official Symbol	EDNRB
NCBI Official Synonym Symbols	ETB; ET-B; ETB1; ETBR; ETRB; HSCR; WS4A; ABCDS; ET-BR; HSCR2
NCBI Protein Information	endothelin B receptor
UniProt Protein Name	Endothelin B receptor
UniProt Gene Name	EDNRB
UniProt Synonym Gene Names	ETRB; ET-B; ET-BR
UniProt Entry Name	EDNRB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ednrb-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/283991>