

Anti-EDNRB Picoband Antibody
Catalog # ABO12241**Specification**

Anti-EDNRB Picoband Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P24530
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Endothelin B receptor(EDNRB) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-EDNRB Picoband Antibody - Additional Information

Gene ID 1910

Other Names

Endothelin B receptor, ET-B, ET-BR, Endothelin receptor non-selective type, EDNRB, ETRB

Calculated MW

49644 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells. .

Protein Name

Endothelin B receptor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human EDNRB (406-439aa QSFEEKQSLEEKQSCLKFKANDHGYDNFRSSNKY), different from the related mouse and rat sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRB sub-subfamily.

Anti-EDNRB Picoband Antibody - Protein Information

Name EDNRB ([HGNC:3180](#))

Synonyms ETRB

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. Note=internalized after activation by endothelins.

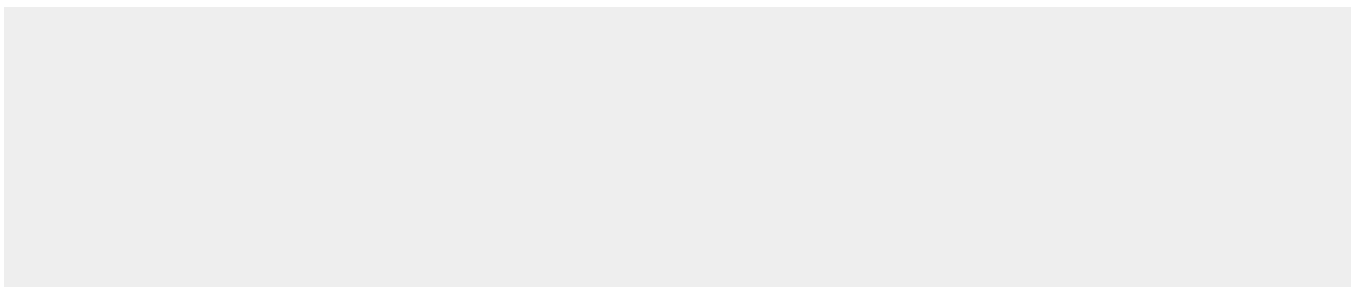
Tissue Location

Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells

Anti-EDNRB Picoband Antibody - Protocols

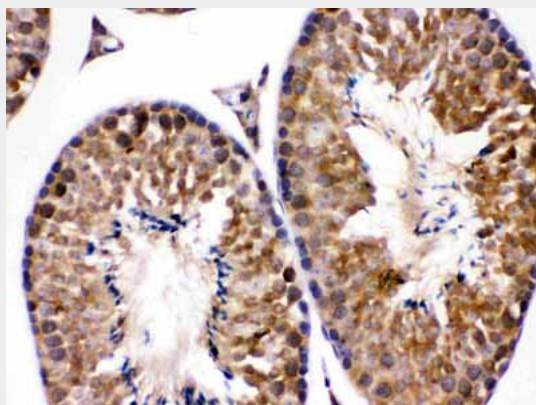
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

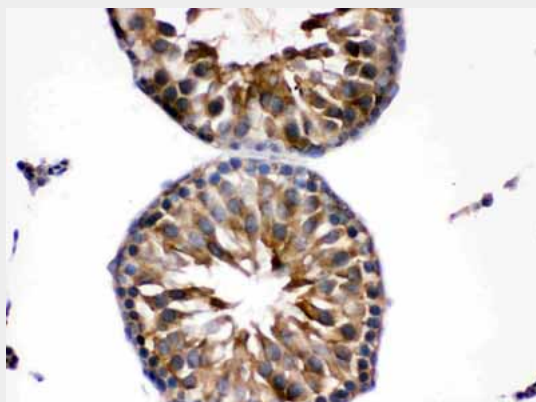
Anti-EDNRB Picoband Antibody - Images

100KD —
70KD —
55KD —
35KD —
25KD —
15KD —

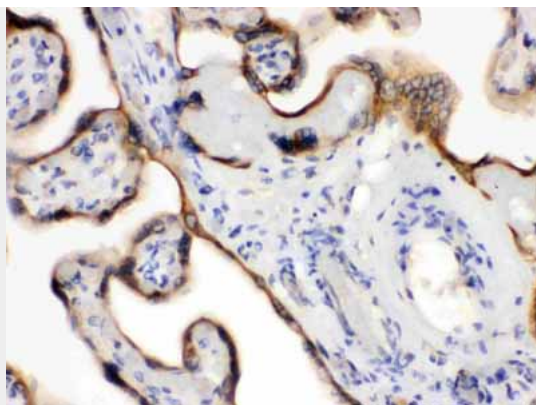
Anti- EDNRB Picoband antibody, ABO12241, Western blottingAll lanes: Anti EDNRB (ABO12241) at 0.5ug/mlWB: HELA Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved bind size: 50KD



Anti- EDNRB Picoband antibody, ABO12241, IHC(P)IHC(P): Mouse Testis Tissue



Anti- EDNRB Picoband antibody, ABO12241, IHC(P)IHC(P): Rat Testis Tissue



Anti- EDNRB Picoband antibody, ABO12241, IHC(P)IHC(P): Human Placenta Tissue

Anti-EDNRB Picoband Antibody - Background

Endothelin receptor type B, also known as ETB is a protein that in humans is encoded by the EDNRB gene. 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.