10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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 r˚Constitution, 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 Cytomety
- Cell Culture

Anti-EDNRB Picoband Antibody - Images

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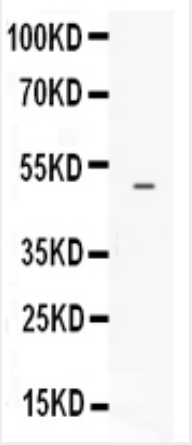
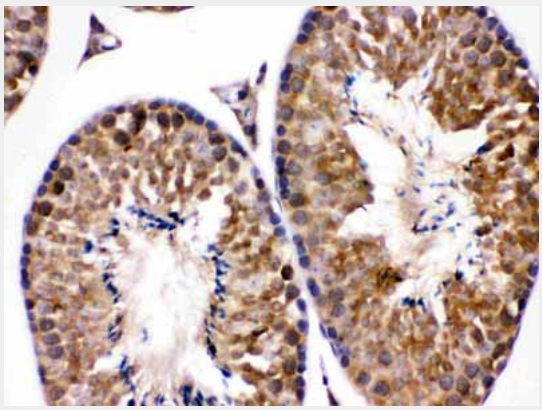
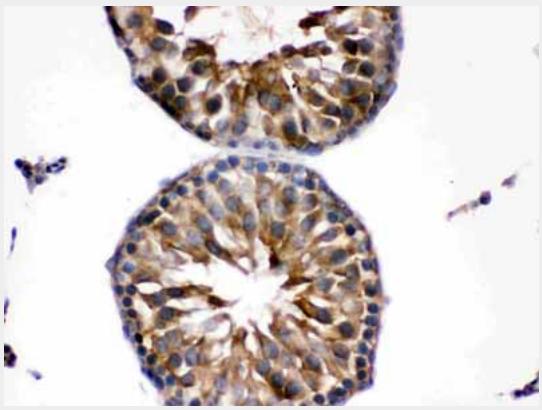


Anti- EDNRB Picoband antibody, ABO12241, Western blottingAll lanes: Anti EDNRB (ABO12241) at 0.5ug/mlWB: HELA Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved bind size: 50KD



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



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

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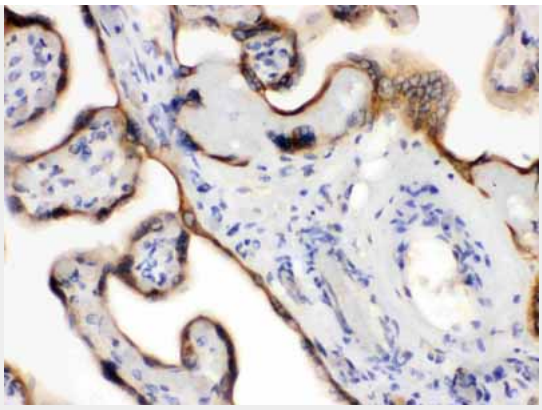

Anti- EDNRB Picoband antibody, ABO12241, IHC(P)IHC(P): Human Placenta Tissue

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.