

# Anti-EDNRB Picoband Antibody

Catalog # ABO12241

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P                                                                                                            |
| <b>Primary Accession</b> | <a href="#">P24530</a>                                                                                               |
| <b>Host</b>              | Rabbit                                                                                                               |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                                    |
| <b>Clonality</b>         | Polyclonal                                                                                                           |
| <b>Format</b>            | Lyophilized                                                                                                          |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Endothelin B receptor(EDNRB) detection. Tested with WB, IHC-P in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                 |

## Additional Information

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| <b>Gene ID</b>                  | 1910                                                                                                                                                                                                   |
| <b>Other Names</b>              | Endothelin B receptor, ET-B, ET-BR, Endothelin receptor non-selective type, EDNRB, ETRB                                                                                                                |
| <b>Calculated MW</b>            | 49644                                                                                                                                                                                                  |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human                                                                         |
| <b>Subcellular Localization</b> | Cell membrane; Multi-pass membrane protein.                                                                                                                                                            |
| <b>Tissue Specificity</b>       | Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells. .                                                                                                  |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                              |
| <b>Protein Name</b>             | Endothelin B receptor                                                                                                                                                                                  |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.                                                                                             |
| <b>Immunogen</b>                | 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. |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                                           |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                                                |

|                              |                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>               | 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. |
| <b>Sequence Similarities</b> | Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRB sub-subfamily.                                                                            |

## Protein Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | EDNRB ( <a href="#">HGNC:3180</a> )                                                                                                                                        |
| <b>Synonyms</b>          | ETRB                                                                                                                                                                       |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein. Note=internalized after activation by endothelins.                                                                             |
| <b>Tissue Location</b>   | Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells                                                                         |

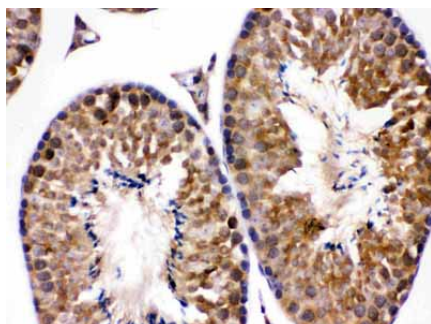
## Background

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.

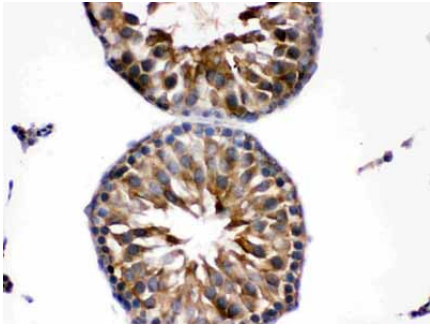
## Images



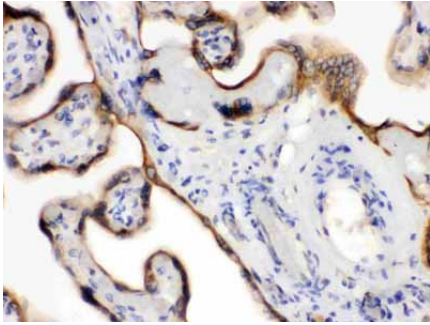
Anti- EDNRB Picoband antibody, ABO12241, Western blotting All lanes: Anti EDNRB (ABO12241) at 0.5ug/ml WB: HELA Whole Cell Lysate at 40ug Predicted bind size: 50KD Observed bind size: 50KD



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.