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EDNRB Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6789b

Specification

EDNRB Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P24530

EDNRB Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1910

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6789b was selected from the C-term region of human EDNRB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EDNRB Antibody (C-term) Blocking Peptide - 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

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EDNRB Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

EDNRB Antibody (C-term) Blocking Peptide - Images

EDNRB Antibody (C-term) Blocking Peptide - Background

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.

EDNRB Antibody (C-term) Blocking Peptide - References

MacClellan,L.R., et.al., Stroke 40 (10), E550-E557 (2009)