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EDN3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11222b

Specification

EDN3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P14138
Other Accession	Q03229, NP_000105
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25454**
Antigen Region	**168-197**

EDN3 Antibody (C-term) - Additional Information

Gene ID 1908

Other Names
Endothelin-3, ET-3, Preproendothelin-3, PPET3, EDN3

Target/Specificity
This EDN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-197 amino acids from the C-terminal region of human EDN3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
EDN3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

EDN3 Antibody (C-term) - Protein Information

Name EDN3

Function Endothelins are endothelium-derived vasoconstrictor peptides.

Cellular Location
Secreted.

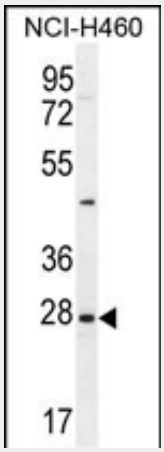
Tissue Location
Expressed in trophoblasts and placental stem villi vessels, but not in cultured placental smooth muscle cells

EDN3 Antibody (C-term) - 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

EDN3 Antibody (C-term) - Images



EDN3 Antibody (C-term) (Cat. #AP11222b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the EDN3 antibody detected the EDN3 protein (arrow).

EDN3 Antibody (C-term) - Background

The protein encoded by this gene is a member of the endothelin family. Endothelins are endothelium-derived vasoactive peptides involved in a variety of biological functions. The active form of this protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric neurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HSCR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-derived cells. Four alternatively spliced transcript variants encoding three distinct isoforms have been observed.

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Darrah, R., et al. Physiol. Genomics 41(1):71-77(2010)
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