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EDN3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11222b

Product Information

Application	WB, E
Primary Accession	P14138
Other Accession	Q03229, NP_000105
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18967
Calculated MW	25454
Antigen Region	168-197

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~~1:500 E~~Use at an assay dependent concentration.
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.

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

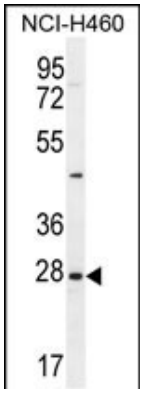
Background

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.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Darrah, R., et al. Physiol. Genomics 41(1):71-77(2010)
Sanchez-Mejias, A., et al. Genet. Med. 12(1):39-43(2010)
Broasca, V., et al. Rom J Morphol Embryol 51(2):283-288(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

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).

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