

Endothelin 2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54443

Specification

Endothelin 2 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>P20800</u>

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Cat, Dog, Bovine
Rabbit
Polyclonal
2.3 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human Endothelin 2

Epitope Specificity 49-59/178

Isotype IgG
Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Belongs to the endothelin/sarafotoxin

family.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

The endothelin (ET) family of proteins, which includes ET-1 (endothelin-1), ET-2 (endothelin-2) and ET-3 (endothelin-3), are vasoactive peptides that are involved in various functions throughout the body. Endothelins can affect the central nervous system and neuronal excitability, and they elicit potent vasoconstrictor action. While ET-1 is a potent, 21-amino acid vasoconstrictor peptide, ET-2 has the most potent vasoconstrictor activity. ET-3 functions as a ligand for endothelin receptor type B (ETBR) and, through this interaction, mediates the maturation of enteric neurons and melanocytes. Although ET-3 is expressed as a 238 amino acid peptide, it is post-translationally modified to produce a short active isoform and a long inactive isoform. Defects in the gene encoding ET-3 are the cause of a variety of disorders, including Hirschsprung disease type 1 (HSCR1), congenital central hypoventilation syndrome (CCHS) and Waardenburg syndrome type IV (WS4).

Endothelin 2 Polyclonal Antibody - Additional Information

Gene ID 1907

Other Names

Endothelin-2, ET-2, Preproendothelin-2, PPET2, EDN2

Target/Specificity



Tel: 858.875.1900 Fax: 858.875.1999

Expressed in lung, but not in placental stem villi vessels or cultured placental villi smooth muscle cells.

Dilution

IHC-P~~N/A<br \><span class</pre> ="dilution IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Endothelin 2 Polyclonal Antibody - Protein Information

Name EDN2

Function

Endothelins are endothelium-derived vasoconstrictor peptides.

Cellular Location

Secreted.

Tissue Location

Expressed in lung, but not in placental stem villi vessels or cultured placental villi smooth muscle cells

Endothelin 2 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Endothelin 2 Polyclonal Antibody - Images