

Endothelin 2 Rabbit pAb

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## **Product Information**

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

Primary Accession P20800

**Reactivity** Rat, Cat, Mouse, Rabbit, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 2 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human Endothelin 2

**Epitope Specificity** 49-59/178 **Isotype** IgG

**Purity** affinity purified by Protein A

**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** 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).

## **Additional Information**

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

**Target/Specificity** Expressed in lung, but not in placental stem villi vessels or cultured placental

villi smooth muscle cells.

**Dilution** IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500

0-10000

**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.

## **Protein Information**

## **Background**

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