

**EDN1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11973b****Specification**

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**EDN1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P05305](#)**EDN1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1906**Other Names**

Endothelin-1, Preproendothelin-1, PPET1, Endothelin-1, ET-1, Big endothelin-1, EDN1

**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.

**EDN1 Antibody (C-term) Blocking peptide - Protein Information****Name** EDN1**Function**

Endothelins are endothelium-derived vasoconstrictor peptides (By similarity). Probable ligand for G-protein coupled receptors EDNRA and EDNRB which activates PTK2B, BCAR1, BCAR3 and, GTPases RAP1 and RHOA cascade in glomerular mesangial cells (PubMed:<a href="http://www.uniprot.org/citations/19086031" target="\_blank">19086031</a>). Also binds the DEAR/FBXW7-AS1 receptor (PubMed:<a href="http://www.uniprot.org/citations/17446437" target="\_blank">17446437</a>). Promotes mesenteric arterial wall remodeling via activation of ROCK signaling and subsequent colocalization of NFATC3 with F-actin filaments (By similarity). NFATC3 then translocates to the nucleus where it subsequently promotes the transcription of the smooth muscle hypertrophy and differentiation marker ACTA2 (By similarity).

**Cellular Location**

Secreted.

**Tissue Location**

Expressed in lung, placental stem villi vessels and in cultured placental vascular smooth muscle cells

## **EDN1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **EDN1 Antibody (C-term) Blocking peptide - Images**

## **EDN1 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is proteolytically processed to release a secreted peptide termed endothelin 1. This peptide is a potent vasoconstrictor and is produced by vascular endothelial cells. Endothelin 1 also can affect the central nervous system. Two transcript variants encoding different isoforms have been found for this gene.

## **EDN1 Antibody (C-term) Blocking peptide - References**

Gonsalves, C., et al. J. Immunol. 185(10):6253-6264(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Feng, J., et al. Circulation 122 (11 SUPPL), S150-S155 (2010) :Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010) Kaparianos, A., et al. Eur Rev Med Pharmacol Sci 14(8):705-719(2010)