

EDN1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11389c**Specification**

EDN1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P05305](#)**EDN1 Antibody (Center) 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 (Center) 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:19086031). Also binds the DEAR/FBXW7-AS1 receptor (PubMed:17446437). 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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

EDN1 Antibody (Center) Blocking peptide - Images

EDN1 Antibody (Center) 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 (Center) 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)