

**Anti-Endothelin 1 Antibody**  
**Rabbit polyclonal antibody to Endothelin 1**  
**Catalog # AP60271****Specification**

---

**Anti-Endothelin 1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05305</a>
Other Accession	<a href="#">P22387</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24425

**Anti-Endothelin 1 Antibody - Additional Information****Gene ID** 1906**Other Names**

Endothelin-1; Preproendothelin-1; PPET1

**Target/Specificity**

Recognizes endogenous levels of Endothelin 1 protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Endothelin 1 Antibody - 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).

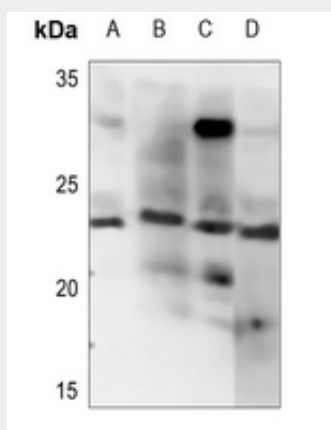
**Cellular Location**  
Secreted.**Tissue Location**

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

**Anti-Endothelin 1 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Endothelin 1 Antibody - Images**

Western blot analysis of Endothelin 1 expression in HEK293T (A), LOVO (B), H1792 (C), mouse testis (D) whole cell lysates.

**Anti-Endothelin 1 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Endothelin 1. The exact sequence is proprietary.