

Anti-Endothelin 1 Antibody

Rabbit polyclonal antibody to Endothelin 1
Catalog # AP60271

Product Information

Application	WB
Primary Accession	P05305
Other Accession	P22387
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24425

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

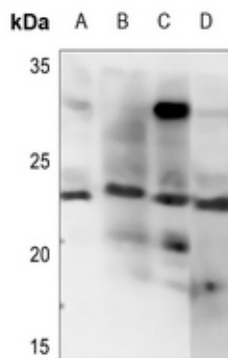
Protein Information

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

Background

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

Images



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

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