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Anti-Endothelin 1 Antibody

Catalog # AP60271

Product Information

Application	WB, IHC
Primary Accession	P05305
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24425

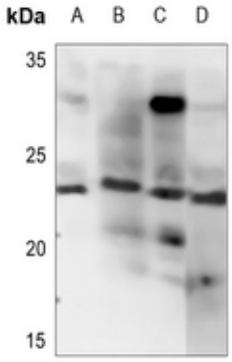
Additional Information

Gene ID	1906
Other Names	Endothelin-1; Preproendothelin-1; PPET1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Endothelin 1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

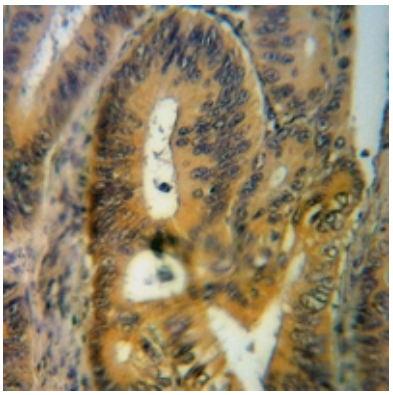
Protein Information

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

Images



Western blot analysis of Endothelin 1 expression in HEK293T (A), LOVO (B), H1792 (C), mouse testis (D) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 24 kD)



Immunohistochemical analysis of Endothelin 1 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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