

Anti-EDN1 / Endothelin 1 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18630

Product Information

Application	WB, IHC-P
Primary Accession	P05305
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	24425

Additional Information

Gene ID	1906
Alias Symbol	EDN1
Other Names	EDN1, Endothelin 1, Endothelin-1, ET1, Preproendothelin-1, PPET1, HDLCQ7
Target/Specificity	Human EDN1 / Endothelin 1
Reconstitution & Storage	Affinity purified
Precautions	Anti-EDN1 / Endothelin 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

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