

# ET-1 Polyclonal Antibody

Catalog # AP73330

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P05305</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	24425

## Additional Information

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<b>Gene ID</b>	1906
<b>Other Names</b>	EDN1; Endothelin-1; Preproendothelin-1; PPET1
<b>Dilution</b>	WB~~IHC-p: 100-300.Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	EDN1
<b>Function</b>	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="#">19086031</a> ). Also binds the DEAR/FBXW7-AS1 receptor (PubMed: <a href="#">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).
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Expressed in lung, placental stem villi vessels and in cultured placental vascular smooth muscle cells

## Background

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Endothelins are endothelium-derived vasoconstrictor peptides.

## Images

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Western Blot analysis of mouse lung cells using ET-1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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