

ET-1 Polyclonal Antibody
Catalog # AP73330**Specification**

ET-1 Polyclonal Antibody - Product Information

Application	IHC
Primary Accession	P05305
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ET-1 Polyclonal Antibody - Additional Information**Gene ID** 1906**Other Names**

EDN1; Endothelin-1; Preproendothelin-1; PPET1

Dilution

IHC~~IHC-p: 100-300. Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ET-1 Polyclonal 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: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

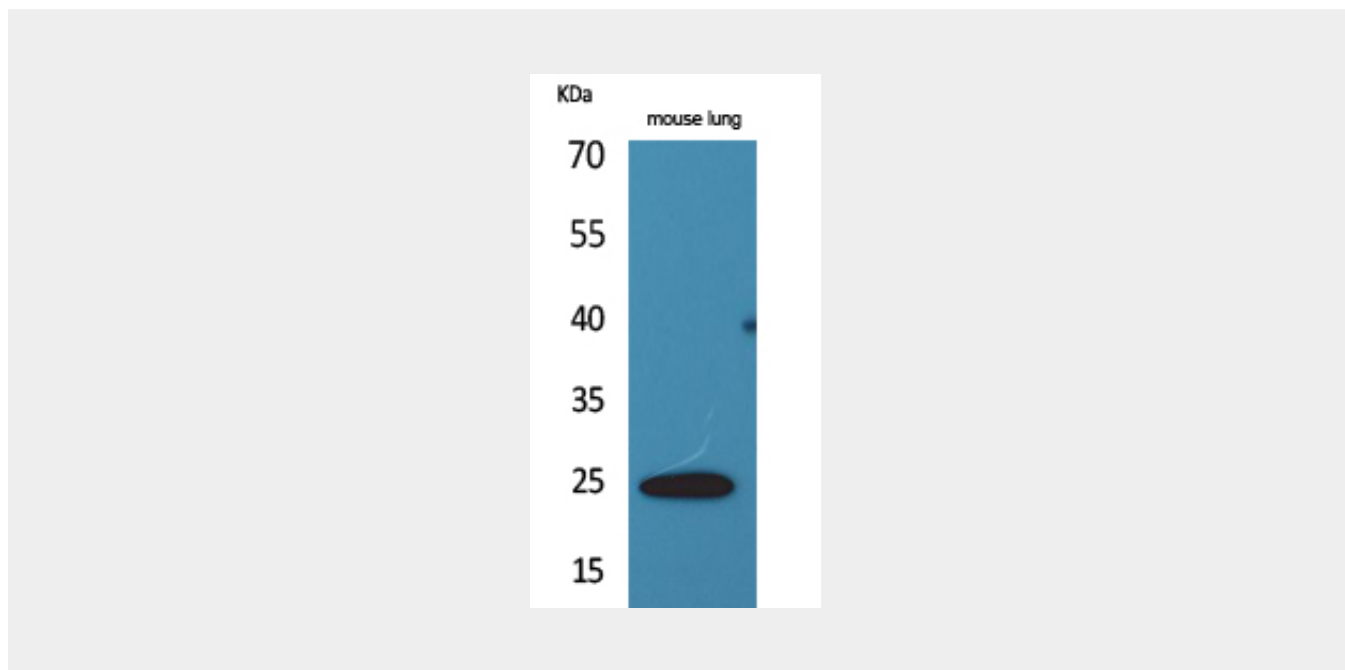
cells

ET-1 Polyclonal 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](#)

ET-1 Polyclonal Antibody - Images



ET-1 Polyclonal Antibody - Background

Endothelins are endothelium-derived vasoconstrictor peptides.