For Research Use Only

Endothelin 1 Polyclonal antibody

Catalog Number:12191-1-AP 18 Publications

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Basic Information

Catalog Number:
12191-1-AP

Size:
150ul , Concentration: 650 μg/ml by Nanodrop and 367 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2847

GenBank Accession Number:
BC009720

GeneID (NCBI):
1906

UNIPROT ID:
P05305

Full Name:
endothelin 1

Calculated MW:
212 aa, 24 kDa

Observed MW:
24 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB,IHC,FC,ELISA

Cited Applications:
WB,IP,IHC,IF

Species Specificity:
mouse

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NIH/3T3 cells,

IHC : mouse lung tissue, mouse placenta tissue

Background Information

EDN1, also named as Endothelin-1, PPET1 and ET-1, belongs to the endothelin/sarafotoxin family. Endothelins are endothelium-derived vasoconstrictor peptides. Emerging basic science, and animal and human data all suggest that EDN1 is a potentially important contributor in the pathobiology of fibrosing disorders, including those that affect the lung(PMID:20055532).

Notable Publications

Author	Pubmed ID	Journal	Application
Hong Li	36180828	Mol Med	WB
Dandan Wang	36161694	Environ Toxicol	WB
Peng Liu	36071548	J Cell Mol Med	WB

Storage

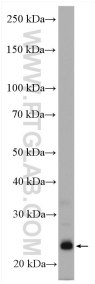
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

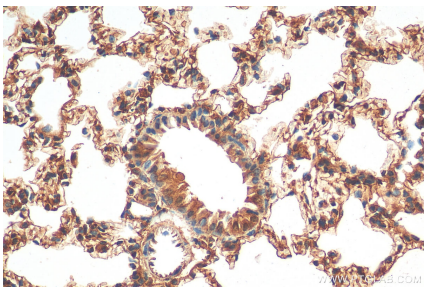
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

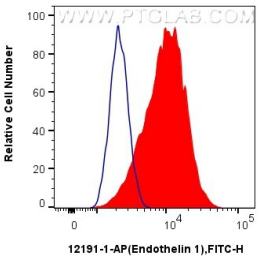
Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 12191-1-AP (Endothelin 1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 12191-1-AP (Endothelin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HUVEC cells were intracellularly stained with 0.4 ug Anti-Human Endothelin 1 (12191-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).