

For Research Use Only

Endothelin 3 Polyclonal antibody

Catalog Number: 27871-1-AP

1 Publications



Basic Information

Catalog Number: 27871-1-AP	GenBank Accession Number: BC053866	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 1908	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P14138	IHC 1:50-1:500
Isotype: IgG	Full Name: endothelin 3	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG27393	Observed MW: 28 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse pancreas tissue, rat pancreas tissue
Species Specificity: human, mouse, rat	IHC : human thyroid cancer tissue, human oesophagus cancer tissue
Cited Species: human	IF/ICC : NIH/3T3 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Endothelin 3 (EDN3) is also named as ET-3 and Preproendothelin-3 (PPET3). Endothelin 3 belongs to the endothelin/sarafotoxin family. It reported downregulation of EDN3 as a result of methylation of its promoter in breast cancer, and EDN3 level was also decreased in cervical cancer (PMID: 36542159). ET-3 is the most abundant ET peptide in the rat brain, mainly localized to neurons and glia of the neostriatum, hypothalamic nuclei, hippocampus, and Purkinje cells of the cerebellum and medulla oblongata (PMID: 32589590).

Notable Publications

Author	Pubmed ID	Journal	Application
Minhua Hong	39632290	Biochem Biophys Res Commun	WB

Storage

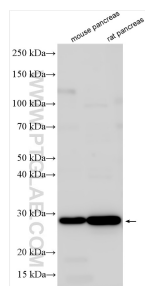
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

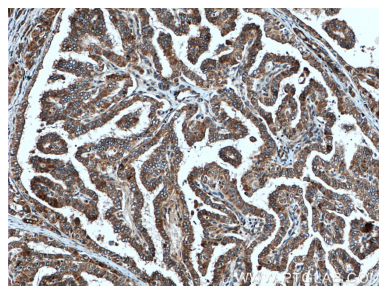
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

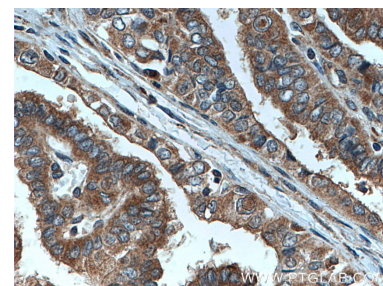
Selected Validation Data



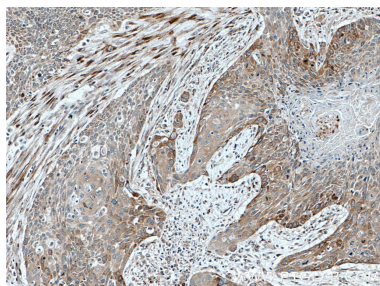
Various lysates were subjected to SDS PAGE followed by western blot with 27871-1-AP (Endothelin 3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



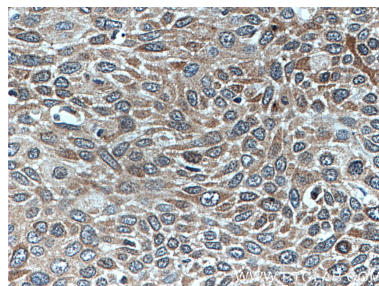
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 27871-1-AP (EDN3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



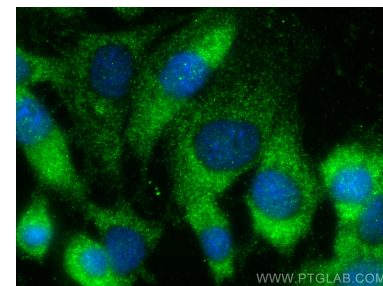
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 27871-1-AP (EDN3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 27871-1-AP (EDN3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 27871-1-AP (EDN3 antibody) at dilution of 1:200 (under 0x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Endothelin 3 antibody (27871-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).