

For Research Use Only

AMOT Polyclonal antibody

Catalog Number: 24550-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

24550-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 567 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19784

GenBank Accession Number:

BC130294

GeneID (NCBI):

154796

UNIPROT ID:

Q4VCS5

Full Name:

angiotensin

Calculated MW:

1084 aa, 118 kDa

Observed MW:

80 kDa, 130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:9000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, HEK-293T

IP : HEK-293 cells,

IHC : human colon cancer tissue,

IF/ICC : HEK-293 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

Angiotensin belongs to the angiotensin family of angiotensin-binding proteins. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiotensin on tube formation and the migration of endothelial cells during the formation of new blood vessels. The most abundant expression was found in the placenta and skeletal muscle. AMOT has two isoforms with MW 130 kDa (p130) and 80 kDa (p80). The p130 isoform can interact with F-actin. This antibody recognizes both p130 and p80.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Guo	32292505	Theranostics	WB
Diala Kantar	33707576	Sci Rep	IF
Christopher M Cox	38787854	PLoS One	IP

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

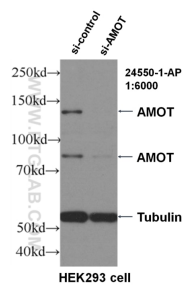
For technical support and original validation data for this product please contact:

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.

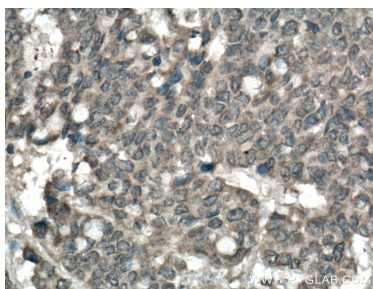
Selected Validation Data



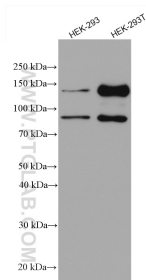
WB result of AMOT antibody (24550-1-AP, 1:6000) with si-Control and si-AMOT transfected HEK293 cells.



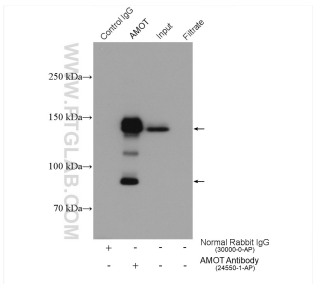
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24550-1-AP (AMOT antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



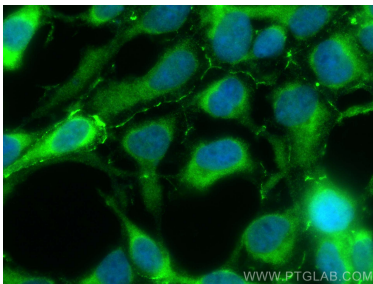
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24550-1-AP (AMOT antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 24550-1-AP (AMOT antibody) at dilution of 1:4500 incubated at room temperature for 1.5 hours.



IP result of anti-AMOT (IP:24550-1-AP, 4ug; Detection:24550-1-AP 1:1000) with HEK-293 cells lysate 1280 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using AMOT antibody (24550-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).