

For Research Use Only

COTL1 Polyclonal antibody

Catalog Number: 10781-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10781-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1230

GenBank Accession Number:

BC010884

GeneID (NCBI):

23406

UNIPROT ID:

Q14019

Full Name:

coactosin-like 1 (Dictyostelium)

Calculated MW:

16 kDa

Observed MW:

16 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:16000

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

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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: A549 cells, HeLa cells, mouse brain tissue, rat brain tissue

IP: mouse kidney tissue,

IHC: human lung cancer tissue,

Background Information

COTL1, also named as CLP, binds to F-actin in a calcium-independent manner. And it has no direct effect on actin depolymerization.

Notable Publications

Author	Pubmed ID	Journal	Application
Shanqi Guo	27893417	Oncotarget	WB
Bei Wang	35873386	J Inflamm Res	IHC
Alexandra Ruth Glathar	36672394	Cancers (Basel)	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

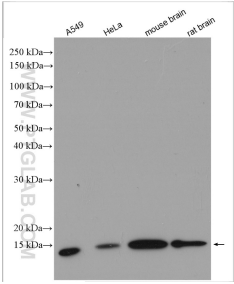
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

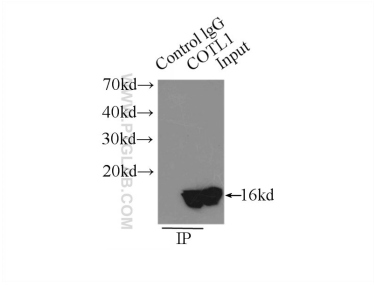
E: proteintech@ptglab.com
W: ptglab.com

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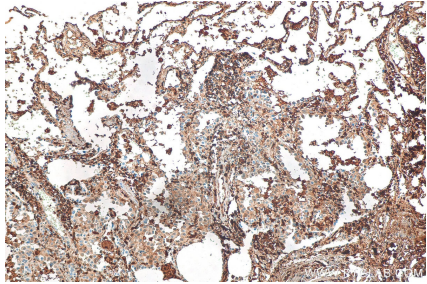
Selected Validation Data



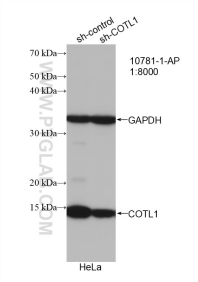
Various lysates were subjected to SDS PAGE followed by western blot with 10781-1-AP (COTL1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-COTL1 (IP:10781-1-AP, 3ug; Detection:10781-1-AP 1:3000) with mouse kidney tissue lysate 12500ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10781-1-AP (COTL1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of COTL1 antibody (10781-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-COTL1 transfected HeLa cells.