

For Research Use Only

COTL1 Polyclonal antibody

Catalog Number: 10781-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

10781-1-AP

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

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

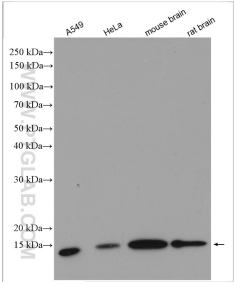
T: 4006900926

E: Proteintech-CN@ptglab.com

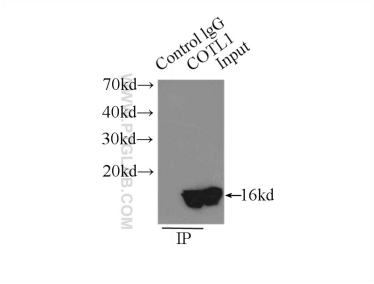
W: ptgcn.com

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

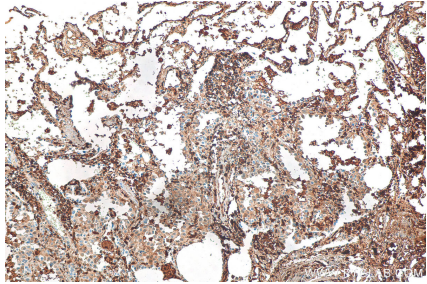
Selected Validation Data



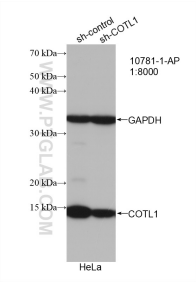
Various lysates were subjected to SDS PAGE followed by western blot with 10781-1-AP (COTL1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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.