

For Research Use Only

CTBP2 Polyclonal antibody

Catalog Number: 10346-1-AP **6 Publications**



Basic Information

Catalog Number:

10346-1-AP

Size:

333 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0352

GenBank Accession Number:

BC002486

GeneID (NCBI):

1488

UNIPROT ID:

P56545

Full Name:

C-terminal binding protein 2

Calculated MW:

49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IF 1:1000-1:4000

Applications

Tested Applications:

FC, IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, zebrafish, gerbil

Positive Controls:

WB : mouse brain tissue, mouse heart tissue, rat brain tissue

IP : mouse heart tissue,

IF : HeLa cells,

Background Information

C-Terminal binding protein 2 (CTBP2) is a transcriptional repressor. It contains a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. This protein is thought to bind to the C-terminus of the adenovirus E1A proteins. Studies in mice suggested that this protein is involved in transcriptional repression. CTBP2 is expressed in all tissues tested, with a higher level of expression in the heart, skeletal muscle, and pancreas. The gene of CTBP2 is mapped to human chromosome 21q21.3.

Notable Publications

Author	Pubmed ID	Journal	Application
Marta Lozano-Ortega	30024872	PLoS Biol	IF
Aoshuang Chang	29849558	Neural Plast	IF
Lizhi Hu	37821903	Proteome Sci	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

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

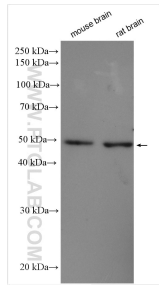
T: 4006900926

E: Proteintech-CN@ptglab.com

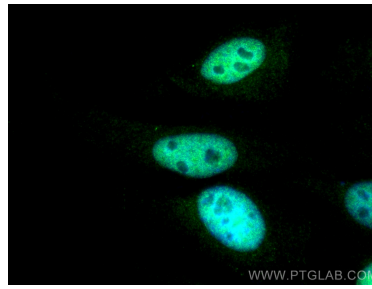
W: ptgcn.com

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

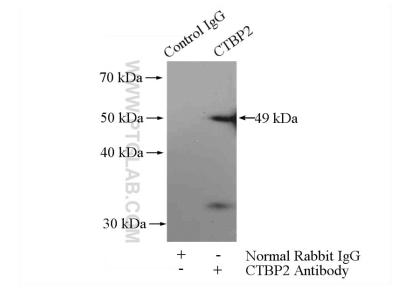
Selected Validation Data



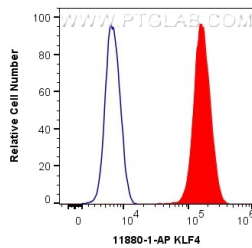
Various lysates were subjected to SDS PAGE followed by western blot with 10346-1-AP (CTBP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CTBP2 antibody (10346-1-AP) at dilution of 1:2000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CTBP2 (IP:10346-1-AP, 4ug; Detection:10346-1-AP 1:500) with mouse heart tissue lysate 3200ug.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human CTBP2 (10346-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).