

For Research Use Only

CoraLite®594-conjugated CTBP1 Monoclonal antibody

Catalog Number:CL594-66995



Basic Information

Catalog Number:

CL594-66995

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28567

GenBank Accession Number:

BC011655

GeneID (NCBI):

1487

UNIPROT ID:

Q13363

Full Name:

C-terminal binding protein 1

Calculated MW:

48 kDa

Observed MW:

45-48 kDa

Purification Method:

Protein G purification

CloneNo.:

1C4B2

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

CTBP1, also named as C-terminal-binding protein 1, is a 440 amino acid protein, which belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. CTBP1 is a cellular phosphoprotein that associates with various proteins and functions as a corepressor of transcription. CTBP1 and the related protein CTBP2 are characterized as C-terminal binding protein of adenovirus E1A, and they preferentially associate with the E1A via a 5-amino acid motif, PLDLS, to repress E1A induced oncogenesis and cellular transformation. CTBP1 is expressed from embryo to adult, but CTBP2 is mainly expressed during embryogenesis.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

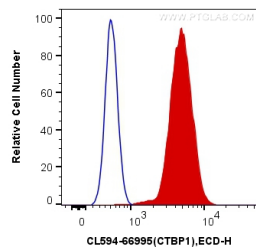
T: 4006900926

E: Proteintech-CN@ptglab.com

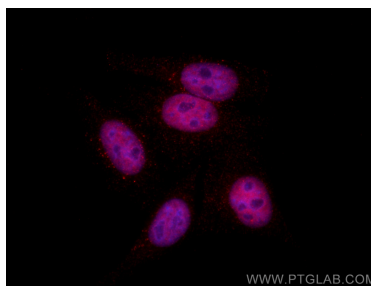
W: ptgcn.com

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Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® 594 Anti-Human CTBP1 (CL594-66995, Clone:1C4B2) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® 594 CTBP1 antibody (CL594-66995, Clone: 1C4B2) at dilution of 1:200.