

For Research Use Only

CoraLite®594-conjugated CTBP1 Monoclonal antibody

Catalog Number:CL594-66995



Basic Information

Catalog Number: CL594-66995	GenBank Accession Number: BC011655	Purification Method: Protein G purification
Size: 100ul , Concentration: 2000 ug/ml by Nanodrop;	GeneID (NCBI): 1487	CloneNo.: 1C4B2
Source: Mouse	UNIPROT ID: Q13363	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: C-terminal binding protein 1	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28567	Calculated MW: 48 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

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.

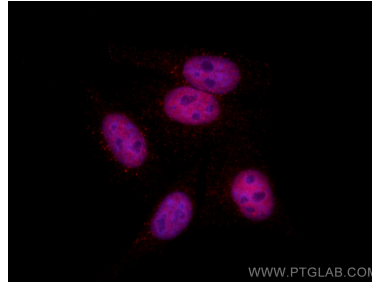
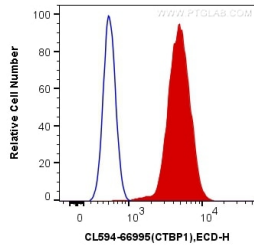
Storage

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: 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



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.