

For Research Use Only

CTBP1 Monoclonal antibody, PBS Only



Catalog Number: 66995-1-PBS

Basic Information

Catalog Number: 66995-1-PBS	GenBank Accession Number: BC011655	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1487	CloneNo.: 1C4B2
Source: Mouse	UNIPROT ID: Q13363	
Isotype: IgG1	Full Name: C-terminal binding protein 1	
Immunogen Catalog Number: AG28567	Calculated MW: 48 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF, FC

Species Specificity:
Human, rat, mouse

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 -80°C.

Storage Buffer:
PBS Only

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

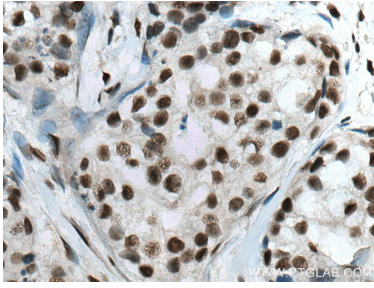
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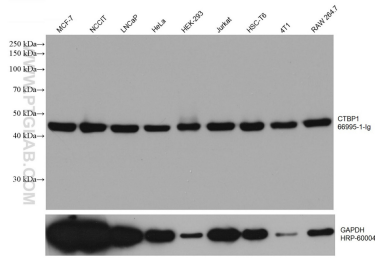
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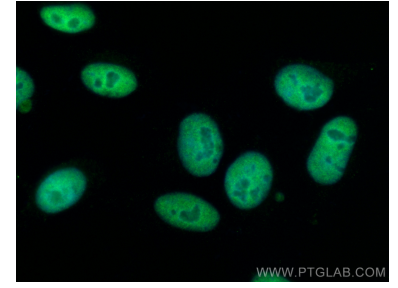
Selected Validation Data



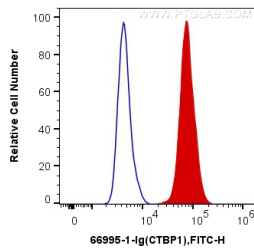
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66995-1-Ig (CTBP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66995-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66995-1-Ig (CTBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66995-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CTBP1 antibody (66995-1-Ig, Clone: 1C4B2) at dilution of 1:4000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66995-1-PBS in a different storage buffer formulation.



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug Anti-Human CTBP1 (66995-1-Ig, Clone:1C4B2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66995-1-PBS in a different storage buffer