

CtBP1 Rabbit mAb

Catalog No: #49960

Package Size: #49960-1 50ul #49960-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

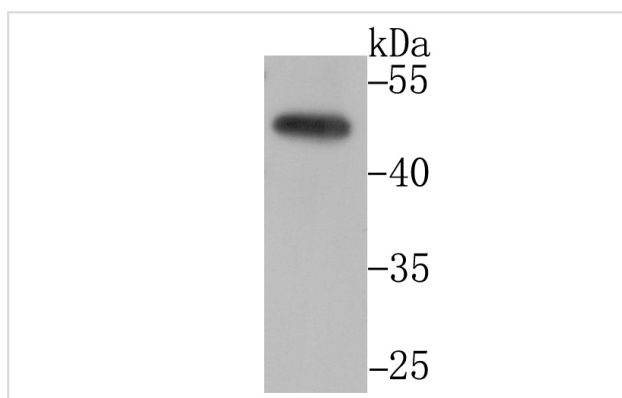
Description

Product Name	CtBP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG39-73
Purification	ProA affinity purified
Applications	WB,IHC,ICC,IF,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human CtBP1 aa 300-500.
Other Names	BARS antibody brefeldin A- ribosylated substrate antibody C terminal binding protein 1 antibody C-terminal-binding protein 1 antibody CTBP antibody CtBP1 antibody CTBP1_HUMAN antibody MGC104684 antibody
Accession No.	Swiss-Prot#:Q13363
Uniprot	Q13363
GeneID	1487;
Calculated MW	47 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

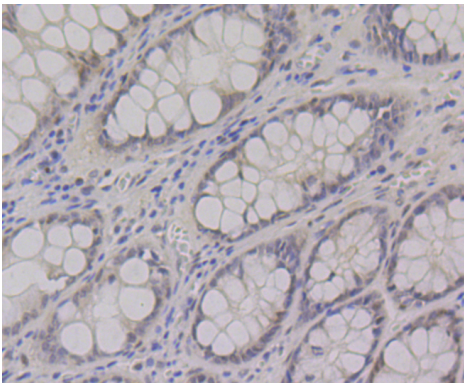
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:100 IP: 1:10-1:50

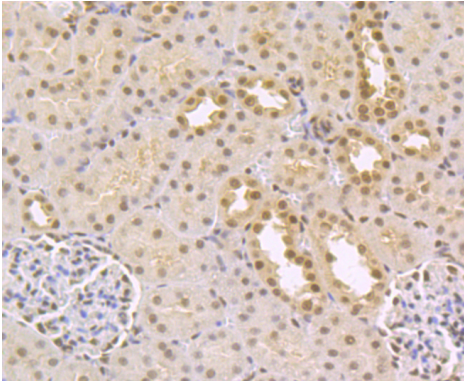
Images



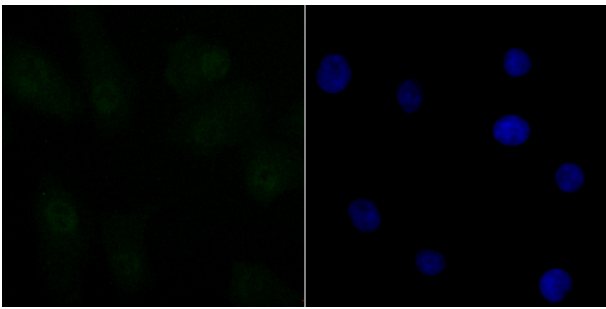
Western blot analysis of CtBP1 on PC-3M cell lysate using anti-CtBP1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-CtBP1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-CtBP1 antibody. Counter stained with hematoxylin.



ICC staining CtBP1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

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. During skeletal and T-cell development, CtBP1 and CtBP2 associate with the PLDLSL domain of δ EF1, a cellular zinc finger-homeodomain protein, and thereby enhances δ EF1 induced transcriptional silencing. In addition, CtBP complexes with CtIP, a protein that recognizes distinctly different protein motifs from CtBP. CtIP binds to the BRCT repeats within the breast cancer gene BRCA1 and enables CtBP to influence BRCA1 activity. CtIP/CtBP binding to BRCA1 inhibits the transactivation of the p21 promoter, and it is critical for regulating p21 transcription in response to DNA damage.

References

Note: This product is for in vitro research use only