

CtBP1/2 (Phospho Ser158/164) rabbit pAb

Catalog No :	YP1594
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	CtBP1/2
Fields :	>>Wnt signaling pathway;>>Notch signaling pathway;>>Pathways in cancer;>>Chronic myeloid leukemia
Gene Name :	CTBP1 CTBP
Protein Name :	CtBP1/2 (Phospho Ser158/164)
Human Gene Id :	1487
Human Swiss Prot No :	Q13363/P56545
Mouse Gene Id :	13016
Mouse Swiss Prot No :	O88712
Rat Gene Id :	29382
Rat Swiss Prot No :	Q9Z2F5
Immunogen :	Synthesized peptide derived from human CtBP1/2 (Phospho Ser158/164)
Specificity :	This antibody detects endogenous levels of Human,Mouse,Rat CtBP1/2 (Phospho Ser158/164)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification : The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 48kD

Background : cofactor:NAD. Required for efficient interaction with E1A. Cofactor binding induces a conformation change.,function:Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex (By similarity). Co-repressor targeting diverse transcription regulators such as GLIS2. Has dehydrogenase activity.,PTM:ADP-ribosylated; when cells are exposed to brefeldin-A (BFA).,PTM:Sumoylation on Lys-428 is promoted by the E3 SUMO-protein ligase CBX4.,PTM:The level of phosphorylation appears to be regulated during the cell cycle. Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylation by HIPK2 on Ser-422 induces proteasomal degradation.,similarity:Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.,subunit:Interacts with the C-terminus of adenovirus E1A protein, ELK3 and CTIP via their consensus motif P-X-[DNS]-L-[STVA]. Can form homodimers or heterodimers of CTBP1 and CTBP2. Interacts with FOXP2, HDAC4, HDAC5 and HDAC9. Interacts with GLIS2 but not GLIS1 or GLIS3 (By similarity). Interacts with FOXP1, HIPK2, PNN and NRIP1. Interacts with ZFHX1B and WIZ. Interacts with Epstein-Barr virus EBNA3 and EBNA6.,

Function : negative regulation of transcription from RNA polymerase II promoter, regulation of transcription, DNA-dependent,regulation of transcription from RNA polymerase II promoter, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, Golgi organization, negative regulation of cell proliferation, negative regulation of biosynthetic process, negative regulation of macromolecule biosynthetic process, negative regulation of macromolecule metabolic process, negative regulation of gene expression, viral reproduction, phosphorylation,negative regulation of transcription, viral infectious cycle, viral genome replication, viral reproductive process, negative regulation of cellular biosynthetic process, regulation of cell proliferation, fat cell differentiation, regulation of transcription, negative regulation of transcription, DNA-dependent, negative regulation

Subcellular Location : Cytoplasm . Nucleus .

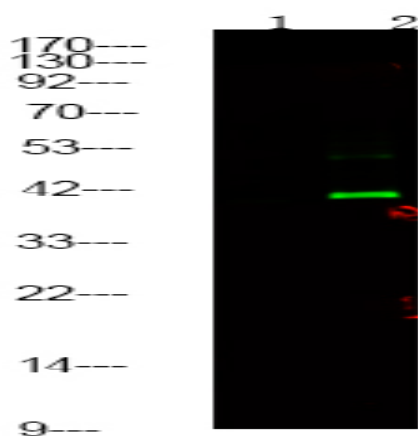
Expression : Expressed in germinal center B-cells.

Tag : orthogonal

Sort : 4650

No4 :	<u>1</u>
Host :	<u>Rabbit</u>
Modifications :	<u>Phospho</u>

Products Images



Western Blot analysis of 1 HepG2 cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000