

CtBP1/2 (Phospho Ser158/164) rabbit pAb

Cat No.:ES20176

For research use only

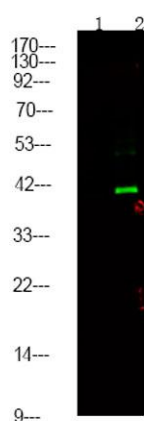
Overview

Product Name	CtBP1/2 (Phospho Ser158/164) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	CtBP1/2 (Phospho Ser158/164)
Gene Name	CTBP1 CTBP
Cellular localization	Cytoplasm . Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	1487
Human Swiss-Prot Number	Q13363/P56545
Alternative Names	C-terminal-binding protein 1 (CtBP1;EC 1.1.1.-)
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.,



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

