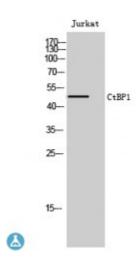


Anti-CtBP1 antibody



Description Rabbit polyclonal to CtBP1.

Model STJ92513

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human CtBP1 around the non-

phosphorylation site of S422.

Immunogen Region 360-440 aa

Gene ID <u>1487</u>

Gene Symbol <u>CTBP1</u>

Dilution range WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

Specificity CtBP1 Polyclonal Antibody detects endogenous levels of CtBP1 protein.

Tissue Specificity Expressed in germinal center B-cells.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name C-terminal-binding protein 1 CtBP1

Molecular Weight 48 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:2494OMIM:602618</u>

Alternative Names C-terminal-binding protein 1 CtBP1

Function Corepressor targeting diverse transcription regulators such as GLIS2 or BCL6.

Has dehydrogenase activity. Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex. Functions in brown

adipose tissue (BAT) differentiation.

Cellular Localization Cytoplasm Nucleus

Post-translational The level of phosphorylation appears to be regulated during the cell cycle. **Modifications** Phosphorylation by HIPK2 on Ser-422 induces proteasomal degradation.

Phosphorylation by HIPK2 on Ser-422 induces proteasomal degradation. ADP-ribosylated; when cells are exposed to brefeldin A. Sumoylation on

Lys-428 is promoted by the E3 SUMO-protein ligase CBX4.

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