

CTBP1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10613**Specification**

CTBP1 Antibody - Product Information

Application	WB
Primary Accession	Q13363
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47535

CTBP1 Antibody - Additional Information**Gene ID** 1487**Application & Usage**

Western blotting (1:500 - 1:2000).
However, the optimal concentrations should be determined individually. HeLa nuclear extract can be used as a positive control. The antibody recognizes the CTBP1 of human and mouse origins. Reactivity to other species has not been tested.

Other Names

CTBP, CTBP1, CTBP-1, C-Terminal Binding Protein 1

Target/Specificity

CTBP1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

CTBP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CTBP1 Antibody - Protein Information

Name CTBP1

Synonyms CTBP

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 Location

Cytoplasm. Nucleus

Tissue Location

Expressed in germinal center B-cells.

CTBP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CTBP1 Antibody - Images**CTBP1 Antibody - 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.