

Anti-CTBP1 Antibody

Rabbit polyclonal antibody to CTBP1

Catalog # AP60259

Product Information

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|--------------------------|------------------------|
| Application | WB, IF/IC, IHC |
| Primary Accession | Q13363 |
| Other Accession | O88712 |
| Reactivity | Human, Mouse, Rat, Pig |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 47535 |

Additional Information

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|---------------------------|--|
| Gene ID | 1487 |
| Other Names | CTBP; C-terminal-binding protein 1; CtBP1 |
| Target/Specificity | Recognizes endogenous levels of CTBP1 protein. |
| Dilution | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

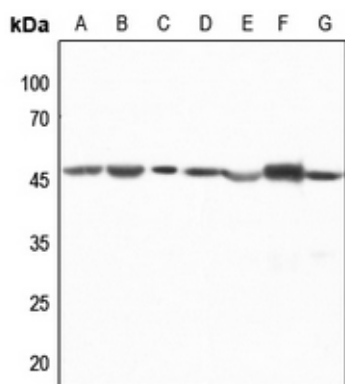
Protein Information

| | |
|--------------------------|---|
| 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. |

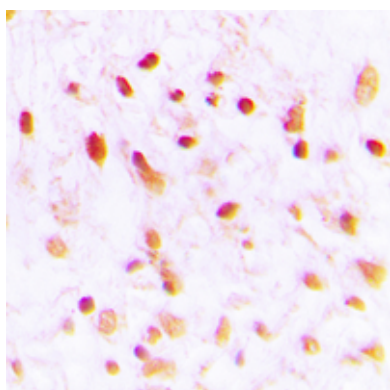
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CTBP1. The exact sequence is proprietary.

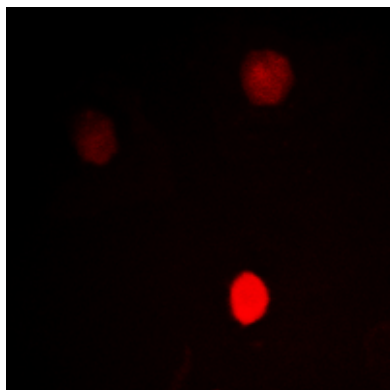
Images



Western blot analysis of CTBP1 expression in HEK293T (A), Hela (B), H1688 (C), mouse lung (D), mouse kidney (E), rat lung (F), rat kidney (G) whole cell lysates.



Immunohistochemical analysis of CTBP1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CTBP1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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