

Anti-CTBP2 Antibody

Catalog # ABO10872

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P56545
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for C-terminal-binding protein 2(CTBP2) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1488
Other Names	C-terminal-binding protein 2, CtBP2, CTBP2
Calculated MW	48945
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml, Mouse, Rat, Human Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus . Cell junction, synapse .
Tissue Specificity	Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.
Source	Eukaryota
Protein Name	C-terminal-binding protein 2(CtBP2)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CTBP2(429-445aa PNQPTKHGDNREHPNEQ), identical to the related rat and mouse sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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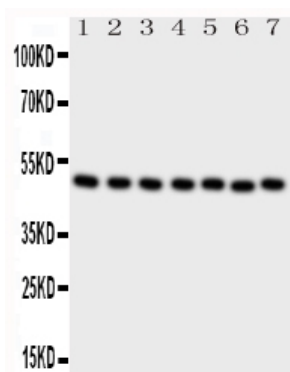
Protein Information

Name	CTBP2
Function	Corepressor targeting diverse transcription regulators. Functions in brown adipose tissue (BAT) differentiation (By similarity).
Cellular Location	Nucleus. Synapse.
Tissue Location	Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas

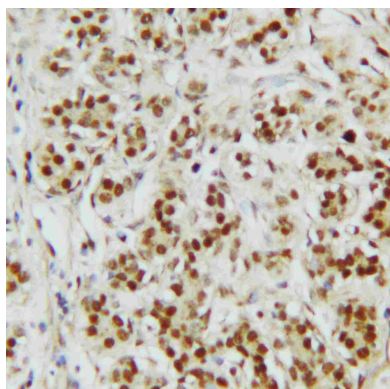
Background

The E1a region of group C adenoviruses encodes 2 nearly identical proteins that are largely responsible for the oncogenic properties of adenoviruses. The CTBP1 protein binds to the C-terminal half of these E1A proteins. It's predicted that CTBP2 is a 445-amino acid protein and it is 72% identical to CTBP1. The CTBP2 gene is mapped to chromosome 10q26.13. CTBP2 is a mammalian corepressor that targets diverse transcriptional regulators. It binds the short medial portion of delta-EF1 containing the PLDSL motif and it enhances transrepression activity of delta-EF1.

Images

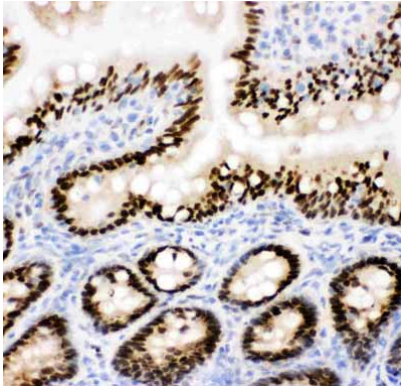
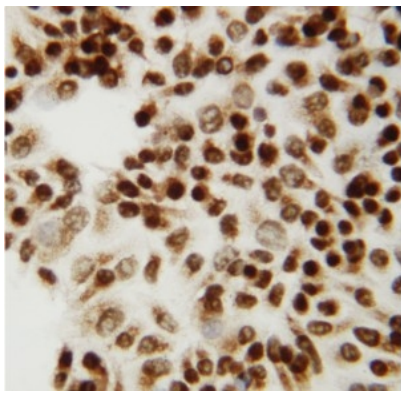


Anti-CTBP2 antibody, ABO10872, Western blotting
 All lanes: Anti CTBP2 (ABO10872) at 0.5ug/ml
 Lane 1: Rat Brain Tissue Lysate at 50ug
 Lane 2: Rat Spleen Tissue Lysate at 50ug
 Lane 3: HELA Whole Cell Lysate at 40ug
 Lane 4: 293T Whole Cell Lysate at 40ug
 Lane 5: COLO320 Whole Cell Lysate at 40ug
 Lane 6: U87 Whole Cell Lysate at 40ug
 Lane 7: SW620 Whole Cell Lysate at 40ug
 Predicted bind size: 49KD
 Observed bind size: 49KD



Anti-CTBP2 antibody, ABO10872, IHC(P)
 IHC(P): Human Mammary Cancer Tissue

Anti-CTBP2 antibody, ABO10872, ICC
 ICC: HELA Cell



Anti-CTBP2 antibody, ABO10872, IHC(F)IHC(F): Rat Intestine Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.