

Anti-CTBP2 Picoband Antibody

Catalog # ABO12116

Product Information

Application	WB, IHC-P
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 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	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human
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
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human CTBP2 recombinant protein (Position: H321-Q445). Human CTBP2 shares 99.2% and 98.4% amino acid (aa) sequence identity with mouse and rat CTBP2, respectively.
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.

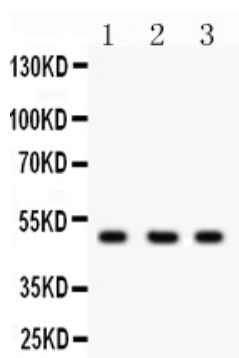
Protein Information

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

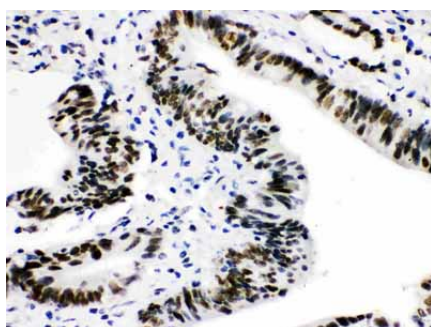
Background

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 bounds the short medial portion of delta-EF1 containing the PLDSL motif and it enhances transrepression activity of delta-EF1.

Images

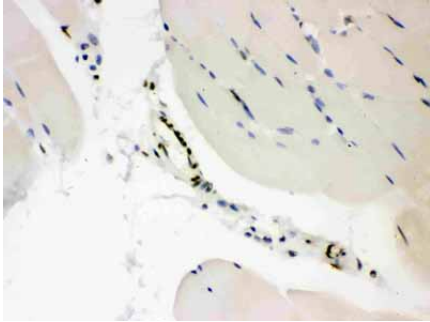
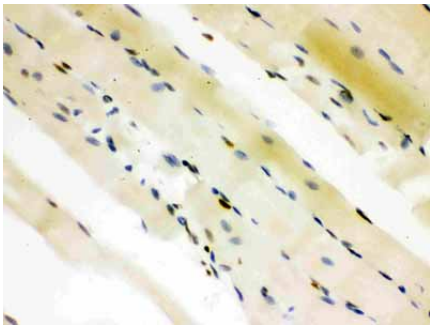


Anti-CTBP2 Picoband antibody, ABO12116, Western blotting
All lanes: Anti CTBP2 (ABO12116) at 0.5ug/ml
Lane 1: COLO320 Whole Cell Lysate at 40ug
Lane 2: 293T Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Predicted bind size: 49KD
Observed bind size: 49KD



Anti-CTBP2 Picoband antibody, ABO12116, IHC(P)
Human Intestinal Cancer Tissue

Anti-CTBP2 Picoband antibody, ABO12116, IHC(P)
Rat Skeletal Muscle Tissue



Anti-CTBP2 Picoband antibody, ABO12116, IHC(P)IHC(P):
Mouse Skeletal Muscle Tissue

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