

CtBP1 Polyclonal Antibody | anti-CTBP1 antibody

Anti-CtBP1 Antibody

CATALOG # AAA46407	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CtBP1; Polyclonal Antibody; Anti-CtBP1 Antibody; C-terminal-binding protein 1; BARS; brefeldin A- ribosylated substrate; C terminal binding protein 1; CTBP; Ctpb1; CTBP1_HUMAN; MGC104684 antibody; C-terminal binding protein 1; anti-CTBP1 antibody

PRODUCT SPECIFICATIONS

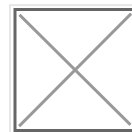
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	429
Applicable Applications for anti-CTBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CtBP1 (409-440aa HGLPPVAHPPHAPSPGQTVKPEADRDHASDQL), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



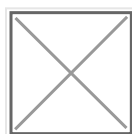
IHC (Immunohistochemistry)

Anti-CTBP1 Picoband antibody, AAA46407, IHC(P)IHC(P): Human Tonsil Tissue



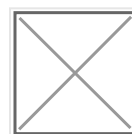
IHC (Immunohistochemistry)

Anti-CTBP1 Picoband antibody, AAA46407, IHC(P)IHC(P): Rat Spleen Tissue



IHC (Immunohistochemistry)

Anti-CTBP1 Picoband antibody, AAA46407, IHC(P)IHC(P): Mouse Thymus Tissue



WB (Western Blot)

Anti-CTBP1 Picoband antibody, AAA46407, Western blotting
All lanes: Anti CTBP1 (AAA46407) at 0.5ug/ml
Lane 1: Rat Lung Tissue Lysate at 50ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Predicted bind size: 48KD
Observed bind size: 48KD

ADDITIONAL INFORMATION

Related Product Information for anti-CTBP1 antibody	Description: Rabbit IgG polyclonal antibody for C-terminal-binding protein 1(CTBP1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: CTBP1, C-terminal-binding protein 1, is a protein that in humans is encoded by the CTBP1 gene. The CtBP1 protein binds to the C-terminus of adenovirus E1A proteins. This gene is mapped to 4p16. This phosphoprotein is a transcriptional repressor (corepressor) and may play a role during cellular proliferation. This protein and the product of a second closely related gene, CTBP2, can dimerize. CtBP1 and CtBP2 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 deltaEF1, a cellular zinc finger-homeodomain protein, and thereby enhances deltaEF1-induced transcriptional silencing. In addition, CtBP complexes with CtIP, a 125 kDa 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. Both proteins can also interact with a polycomb group protein complex which participates in regulation of gene expression during development. Alternative splicing of transcripts from this gene results in multiple transcript variants.
References	1. Furusawa, T., Moribe, H., Kondoh, H., Higashi, Y. Identification of CtBP1 and CtBP2 as corepressors of zinc finger-homeodomain factor delta-EF1. Molec. Cell. Biol. 19: 8581-8590, 1999. 2. Sewalt, R. G. A. B., Gunster, M. J., van der Vlag, J., Satijn, D. P. E., Otte, A. P. C-terminal binding protein is a transcriptional repressor that interacts with a specific class of vertebrate polycomb proteins. Molec. Cell. Biol. 19: 777-787, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61743967
NCBI GeneID	1487
NCBI Accession #	NP_001012632.1
NCBI GenBank Nucleotide #	NM_001012614.1
UniProt Accession #	Q13363; Q4W5N3; Q7Z2Q5
Molecular Weight	46,405 Da
NCBI Official Full Name	C-terminal-binding protein 1 isoform 2
NCBI Official Synonym Full Names	C-terminal binding protein 1
NCBI Official Symbol	CTBP1
NCBI Official Synonym Symbols	BARS
NCBI Protein Information	C-terminal-binding protein 1
UniProt Protein Name	C-terminal-binding protein 1
UniProt Gene Name	CTBP1
UniProt Synonym Gene Names	CTBP; CtBP1
UniProt Entry Name	CTBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctbp1-antibody-immunohistochemistry-western-blot-elisa/46407>