

Mouse anti-Human CTBP1 Monoclonal Antibody | anti-CTBP1 antibody

CTBP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48093	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

CTBP1; Monoclonal Antibody; CTBP1 antibody; C-terminal-binding protein 1 isoform 1; BARS; C-terminal-binding protein 1 isoform 1 C terminal binding protein 1; CTBP; MGC104684.; anti-CTBP1 antibody

PRODUCT SPECIFICATIONS

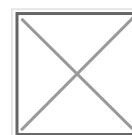
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT4D6
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	440
Applicable Applications for anti-CTBP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CTBP1 (1-440aa) purified from E. coli
Clone Note	Anti-human CTBP1 mAb, clone AT4D6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CTBP1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CTBP1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CTBP1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green) ICC/IF analysis of CTBP1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CTBP1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CTBP1 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: NIH3T3 cell lysate Lane 3.: 293T cell lysate Lane 4.: AGS cell lysate Lane 5.: Raji cell lysate Lane 6.: A549 cell lysate Lane 7.: Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CTBP1 antibody	The C-terminal-binding protein (CtBP) was originally identified as a cellular protein that interacts with a C-terminal motif of adenovirus E1A oncoproteins. CtBP is highly conserved in higher eukaryotes. Vertebrates contain two highly homologous CtBP proteins (CtBP1 and CtBP2) while invertebrates contain a single CtBP. CtBP family proteins share significant sequence homology with D-2-hydroxy acid dehydrogenases. Also, CtBP proteins associate with various proteins and functions as a co-repressor of transcription.
Product Categories/Family for anti-CTBP1 antibody	Signal Transduction
References	Katsanis N, et al. (1998). Genomics 47 (2): 294-9.; Paliwal S, et al. (March 2006). Mol. Cell. Biol. 26 (6): 2360-72.; Chinnadurai G (2002). Mol. Cell 9 (2): 213-24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557497
NCBI GeneID	1487
NCBI Accession #	NP_001319
NCBI GenBank Nucleotide #	NM_001328.2
UniProt Accession #	Q13363; Q4W5N3; Q7Z2Q5
Molecular Weight	46,405 Da
NCBI Official Full Name	C-terminal-binding protein 1 isoform 1
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

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.