

Rabbit CTBP2 Polyclonal Antibody | anti-CTBP2 antibody

CTBP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327570	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CTBP2; Polyclonal Antibody; CTBP2 Antibody; C terminal binding protein 2; C-terminal-binding protein 2; CtBP2; CTBP2_HUMAN; ribeye; anti-CTBP2 antibody

PRODUCT SPECIFICATIONS

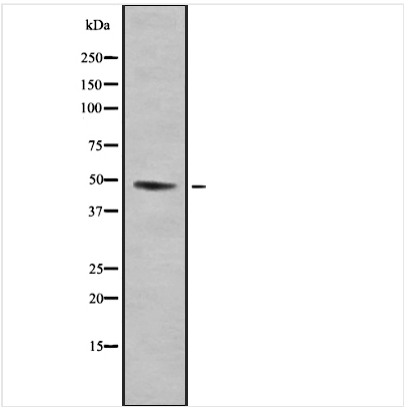
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CtBP2 antibody detects endogenous levels of total CtBP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	445
Applicable Applications for anti-CTBP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CtBP2
Subcellular Location	Nucleus. Cell Junction > Synapse.
Tissue Specificity	Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327570 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of CtBP2 using RAW264.7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CTBP2 antibody	Function: Corepressor targeting diverse transcription regulators. Functions in brown adipose tissue (BAT) differentiation (By similarity). Subunit Structure: Interacts with the C-terminus of adenovirus E1A protein. Can form homodimers or heterodimers of CTBP1 and CTBP2. Interacts with HIPK2 and ZNF217. Interacts with PRDM16; represses white adipose tissue (WAT)-specific genes expression (By similarity). Interacts with PNN, NRIP1 and WIZ. Interacts with human adenovirus 5 E1A protein; this interaction seems to potentiate viral replication (PubMed:23747199). Interacts with MCRIP1 (PubMed:25728771). Similarity: Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	145580578
NCBI GeneID	1488
NCBI Accession #	NP_001077383.1
NCBI GenBank Nucleotide #	NM_001083914.2
UniProt Accession #	P56545; O43449; Q5SQP7; Q69YI3; Q86SV0; Q8IY44; Q9H2T8; A8K2X5; D3DRF5
Molecular Weight	Observed: 48 kDa Predicted: 49 kDa
NCBI Official Full Name	C-terminal-binding protein 2 isoform 1
NCBI Official Synonym Full Names	C-terminal binding protein 2
NCBI Official Symbol	CTBP2
NCBI Protein Information	C-terminal-binding protein 2
UniProt Protein Name	C-terminal-binding protein 2
UniProt Gene Name	CTBP2
UniProt Synonym Gene Names	CtBP2

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.