

Datasheet for ABIN968723  
**anti-CTBP2 antibody (AA 361-445)**

3 Images

23 Publications

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## Overview

Quantity:	50 µg
Target:	CTBP2
Binding Specificity:	AA 361-445
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CTBP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Mouse CtBP2 aa. 361-445
Clone:	16-CtBP2
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Human, Dog (Canine)
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

## Product Details

chromatography.

## Target Details

Target:	CTBP2
Alternative Name:	CtBP2 ( <a href="#">CTBP2 Products</a> )
Background:	<p>Transcriptional repression is critical for genetic regulation of many cellular proteins, and involves either a transcription regulator that has an intrinsic repressor domain, or a transcription regulator that contains a binding site in the regulatory domain where a co-repressor can bind. C-terminal binding proteins (CtBP1 and CtBP2) are a class of co-repressors that interact with a subset of transcription factors through a PLDLSL sequence motif. CtBP1 and CtBP2 are 80% homologous, and both are expressed at high levels in embryonic tissues. However, CtBP1 is expressed higher in adult tissues, and is more widely expressed in embryonic and adult tissues. Both CtBP1 and CtBP2 bind the deltaEF1 zinc finger-homeodomain transcription factor, and enhance transcriptional repression via interaction with the PLDLSL-sequence in deltaEF1. CtBP1 and CtBP2 bind other zinc finger transcription factors, including Kheper and BKLF. In addition, CtBP2 interacts with other transcription factors, such as hFOG-2, Evi-1, AREB6, and ZEB. Thus, CtBP1 and CtBP2 may be important co-repressors for a variety of transcriptional factors. This antibody is routinely tested by western blot analysis.</p> <p>Synonyms: C-Terminal Binding Protein-2</p>
Molecular Weight:	48 kDa

## Application Details

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

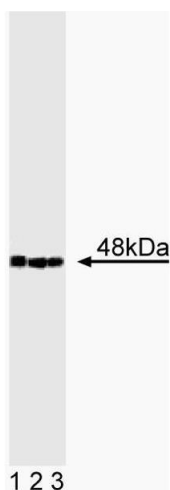
Storage Comment: Store undiluted at -20° C.

## Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).

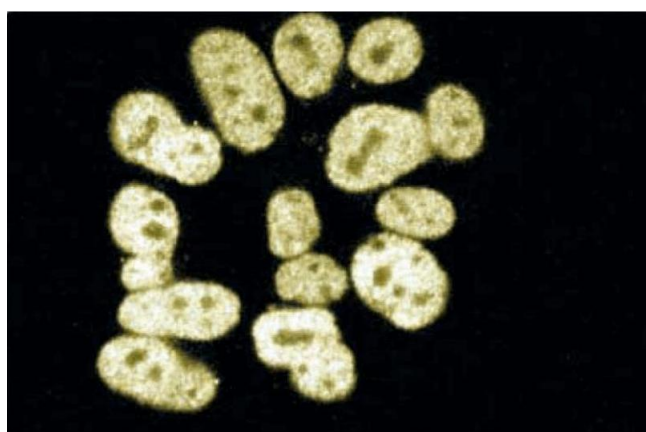
There are more publications referencing this product on: [Product page](#)

## Images



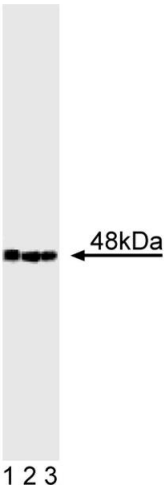
### Western Blotting

**Image 1.** Western blot analysis of CtBP2 on a BC3H1 cell lysate (Mouse brain smooth muscle-like cells, ATCC CRL-1443). Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti-CtBP2 antibody.



### Immunofluorescence

**Image 2.** Immunofluorescence staining of SK-N-MC (Human neuroblastoma, ATCC HTB-10).



Western Blotting

Image 3.