

11-511-C100

## Polyclonal Antibody to CtBP1 Purified Antibody (0.1 mg)

<b>Clone:</b>	Polyclonal
<b>Isotype:</b>	Rabbit None
<b>Specificity:</b>	The polyclonal antibody reacts with CtBP1, a 49 kDa transcriptional corepressor, that plays a critical role in regulating gene expression.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Bacterially expressed full-length human CtBP1
<b>Species Reactivity:</b>	Human, Mouse
<b>Application:</b>	Immunoprecipitation Western Blotting Application note: Reducing conditions. Immunocytochemistry Recommended dilution: 1 µg/ml Staining technique: acetone / methanol fixation
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified from rabbit serum by protein-A affinity chromatography.
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	C-terminal binding protein 1 / brefeldin A (BFA)-dependent ADP-ribosylation substrate (CtBP1/BARS) is a highly conserved transcriptional corepressor, that plays a critical role in regulating gene expression patterns throughout development and in oncogenesis. CtBP regulates target gene transcription, in part, via recruitment of histone deacetylases involved in gene silencing and may act to coordinate histone modifications that regulate gene expression.
<b>References:</b>	<p>*Lopez-Garcia J, Periyasamy M, Thomas RS, Christian M, Leao M, Jat P, Kindle KB, Heery DM, Parker MG, Buluwela L, Kamalati T, Ali S.: ZNF366 is an estrogen receptor corepressor that acts through CtBP and histone deacetylases. <i>Nucleic Acids Res.</i> 2006; 34(21):6126-36.</p> <p>*Nadauld LD, Phelps R, Moore BC, Eisinger A, Sandoval IT, Chidester S, Peterson PW, Manos EJ, Sklow B, Burt RW, Jones D.A.: Adenomatous polyposis coli control of C-terminal binding protein-1 stability regulates expression of intestinal retinol dehydrogenases. <i>J Biol Chem.</i> 2006 Dec 8;281(49):37828-35.</p> <p>*Valenta T, Lukas J, Korinek V.: HMG box transcription factor TCF-4's interaction with CtBP1 controls the expression of the Wnt target Axin2/Conductin in human embryonic kidney cells. <i>Nucleic Acids Res.</i> 2003 May 1;31(9):2369-80.</p> <p>*Valenta T, Lukas J, Doubravska L, Fafílek B, Korinek V.: HIC1 attenuates Wnt signaling by recruitment of TCF-4 and beta-catenin to the nuclear bodies. <i>EMBO J.</i> 2006 Jun 7;25(11):2326-37.</p>

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