

## CtBP 1

Cat.No. 222 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

### Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H <sub>2</sub> O, then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 up to 1 : 5000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 1000 up to 1 : 5000 <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Synthetic peptide corresponding to AA 414 to 430 from rat CtBP1 (UniProt Id: Q9Z2F5)
Reactivity	Reacts with: rat (Q9Z2F5), mouse (O88712). Other species not tested yet.
Specificity	Specific for CtBP 1.
matching control	222-0P

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**CtBP 1** and its close relative CtBP 2 interact with various transcription factors through a PLDLSL motif enhancing transcriptional repression. While CtBP 2 shows a restricted expression pattern CtBP 1 is abundantly expressed in the retina and the brain, where it localizes to the nucleus and synaptic nerve terminals.

### Selected General References

Loss of full length CtBP1 expression enhances the invasive potential of human melanoma.  
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Role of the PLDLS-binding cleft region of CtBP1 in recruitment of core and auxiliary components of the corepressor complex.  
Kuppuswamy M, Vijayalingam S, Zhao LJ, Zhou Y, Subramanian T, Ryerse J, Chinnadurai G  
Molecular and cellular biology (2008) 28(1): 269-81.

The multiple activities of CtBP/BARS proteins: the Golgi view.

Corda D, Colanzi A, Luini A  
Trends in cell biology (2006) 16(3): 167-73.

A novel C-terminal binding protein (CTBP2) is closely related to CTBP1, an adenovirus E1A-binding protein, and maps to human chromosome 21q21.3.

Katsanis N, Fisher EM  
Genomics (1998) 47(2): 294-9.