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CTBP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CTBP1.
Catalog # AT1665a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q13363
Other Accession	BC053320
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b kappa
Clone Names	2G7
Calculated MW	47535

Additional Information

Gene ID	1487
Other Names	C-terminal-binding protein 1, CtBP1, 111-, CTBP1, CTBP
Target/Specificity	CTBP1 (AAH53320, 1 a.a. ~ 429 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CTBP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

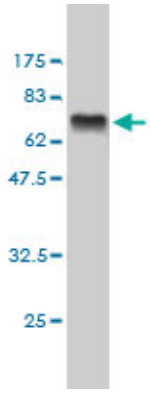
This gene encodes a protein that binds to the C-terminus of adenovirus E1A proteins. This phosphoprotein is a transcriptional repressor and may play a role during cellular proliferation. This protein and the product of a second closely related gene, CTBP2, can dimerize. Both proteins can also interact with a polycomb group protein complex which participates in regulation of gene expression during development. Alternative splicing of transcripts from this gene results in multiple transcript variants.

References

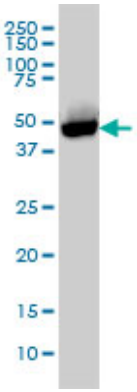
Inhibition of CtBP1 activity by Akt-mediated phosphorylation. Merrill JC, et al. J Mol Biol, 2010 May 21. PMID 20361981.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al.

Genes Immun, 2010 Apr. PMID 20237496.Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315.Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296.Ligand-dependent corepressor LCoR is an attenuator of progesterone-regulated gene expression. Palijan A, et al. J Biol Chem, 2009 Oct 30. PMID 19744932.

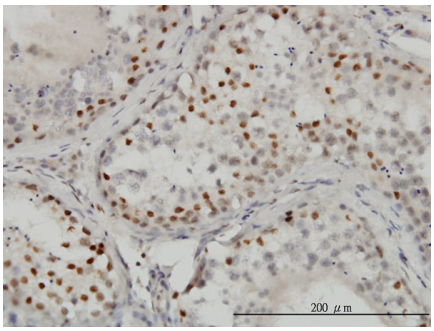
Images



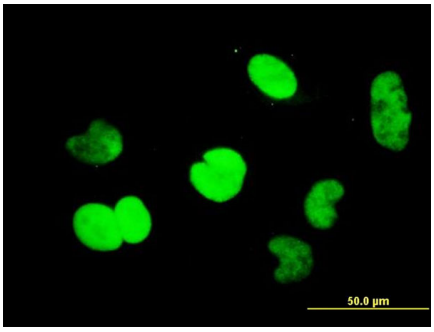
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (72.93 KDa) .



CTBP1 monoclonal antibody (M01), clone 2G7 Western Blot analysis of CTBP1 expression in HL-60 ((Cat # AT1665a)

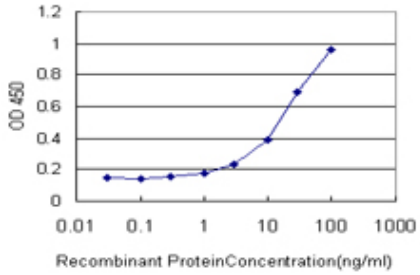


Immunoperoxidase of monoclonal antibody to CTBP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to CTBP1 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged CTBP1 is approximately 1ng/ml as a capture antibody.



Citations

- Expression of Master Regulators of T-cell, Helper T-cell and Follicular Helper T-cell Differentiation in Angioimmunoblastic T-cell Lymphoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.