CtBP1 (Phospho-Ser422) Antibody

Catalog No: #11796

Package Size: #11796-1 50ul #11796-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

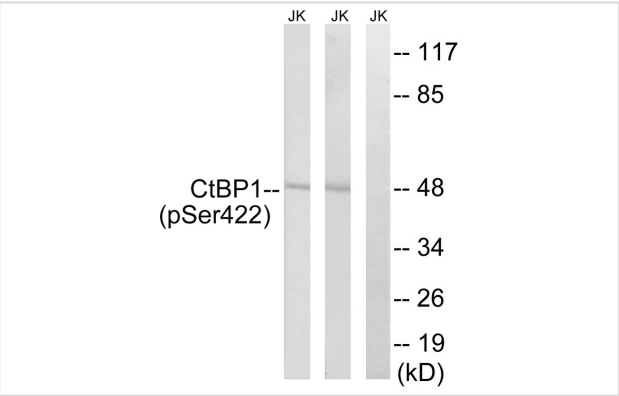
Product Name	CtBP1 (Phospho-Ser422) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of CtBP1 only when phosphorylated at serine 422.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 422(A-P-S(p)-P-G) derived from Human CtBP1.
Target Name	CtBP1
Modification	Phospho
Other Names	CTBP; C-terminal binding protein 1; EC 1.1.1;
Accession No.	Swiss-Prot#: Q13363; NCBI Gene#: 1487; NCBI Protein#: NP_001319.1.
Uniprot	Q13363
GeneID	1487;
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

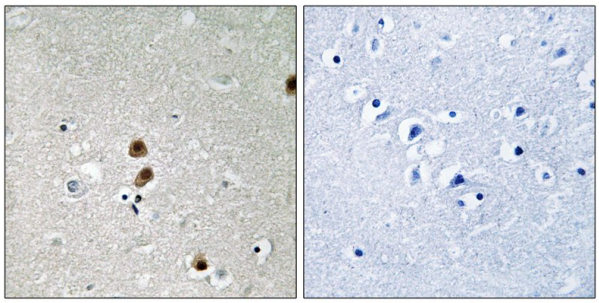
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Jurkat cells treated with TNF using CtBP1 (Phospho-Ser422) Antibody #11796.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue, using CtBP1 (Phospho-Ser422) antibody #11796 (left)or the same antibody preincubated with blocking peptide (right).

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.

Schaeper U., Proc. Natl. Acad. Sci. U.S.A. 92:10467-10471(1995).

Sewalt R.G.A.B., Mol. Cell. Biol. 19:777-787(1999).

The MGC Project Team, Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only