

Human CTBP2 Knockdown Cell Lysate

Cat. No. CTBP2-479HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CTBP2 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
Description	This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10. Several transcript variants encoding two different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	49 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg CTBP2 KD HT-1080 cell lysate
Protein Families	Stem cell - Pluripotency, Stem cell relevant signaling - Wnt Signaling pathway
Protein Pathways	Chronic myeloid leukemia, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CTBP2 C-terminal binding protein 2 [Homo sapiens (human)]
Official Symbol	CTBP2
Synonyms	CTBP2; C-terminal binding protein 2; C-terminal-binding protein 2; ribeye;
Gene ID	1488
mRNA Refseq	NM_001083914
Protein Refseq	NP_001077383
MIM	602619
UniProt ID	P56545

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