

# Human CTBP2 Knockdown Cell Lysate

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

## SPECIFICATION

<b>Product Overview</b>	WB-validated CTBP2 Knockdown HT-1080 Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HT-1080
<b>Description</b>	<p>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<sup>+</sup> binding domain similar to NAD<sup>+</sup>-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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	49 kDa
<b>Notes</b>	<p>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.</p>
<b>Storage</b>	Store at -20 centigrade for two years.

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

## GENE INFORMATION

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

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