

# Human TUBB3 Knockdown Cell Lysate

**Cat. No.** TUBB3-459HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated TUBB3 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	50 kDa
<b>Notes</b>	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa 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 HeLa cell lysate 1 vial of 100 µg TUBB3 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, ES Cell Differentiation/IPS
<b>Protein Pathways</b>	Gap junction, Pathogenic Escherichia coli infection
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	TUBB3 tubulin, beta 3 class III [ Homo sapiens (human) ]
<b>Official Symbol</b>	TUBB3
<b>Synonyms</b>	TUBB3; tubulin, beta 3 class III; tubulin, beta 3; tubulin beta-3 chain; beta 4; class III beta tubulin; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin; CDCBM; TUBB4; beta-4; CFEOM3A;
<b>Gene ID</b>	10381
<b>mRNA Refseq</b>	NM_001197181
<b>Protein Refseq</b>	NP_001184110
<b>MIM</b>	602661
<b>UniProt ID</b>	Q13509

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