

Human TUBB3 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated TUBB3 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	50 kDa
Notes	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.
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 HeLa cell lysate 1 vial of 100 µg TUBB3 KD HeLa cell lysate
Protein Families	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways	Gap junction, Pathogenic Escherichia coli infection
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	TUBB3 tubulin, beta 3 class III [Homo sapiens (human)]
Official Symbol	TUBB3
Synonyms	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;
Gene ID	10381
mRNA Refseq	NM_001197181
Protein Refseq	NP_001184110
MIM	602661
UniProt ID	Q13509

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