

Human ATG4B Knockdown Cell Lysate

Cat. No. ATG4B-057HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ATG4B Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	Cell-Tissue Lysis buffer
Molecular Mass	44 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.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ATG4B KD HeLa cell lysate
Protein Families	Protease
Protein Pathways	Regulation of autophagy
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ATG4B ATG4 autophagy related 4 homolog B (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	ATG4B
Synonyms	ATG4B; ATG4 autophagy related 4 homolog B (S. cerevisiae); APG4 autophagy 4 homolog B (S. cerevisiae), APG4B; cysteine protease ATG4B; Apg4B; AUTL1; DKFZp586D1822; KIAA0943; hAPG4B; autophagin-1; APG4 autophagy 4 homolog B; AUT-like 1 cysteine endopeptidase; autophagy-related protein 4 homolog B; autophagy-related cysteine endopeptidase 1; APG4B; MGC1353;
Gene ID	23192
mRNA Refseq	NM_013325

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Protein Refseq	NP_037457
MIM	611338
UniProt ID	Q9Y4P1

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