

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	<p>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.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	44 kDa
Notes	<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>

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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 (<i>S. cerevisiae</i>) [Homo sapiens (human)]
Official Symbol	ATG4B
Synonyms	ATG4B; ATG4 autophagy related 4 homolog B (<i>S. cerevisiae</i>); APG4 autophagy 4 homolog B (<i>S. cerevisiae</i>), 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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