

# Product Datasheet

## ULK1 Antibody NBP2-24738

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-24738**

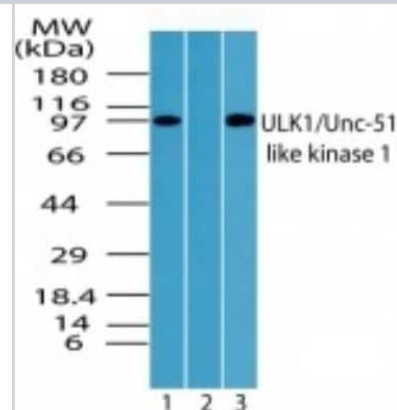
ULK1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	8408
Gene Symbol	ULK1
Species	Human, Mouse, Monkey
Immunogen	A synthetic peptide corresponding to amino acids between 320 and 370 of human ULK1 was used as the immunogen, GenBank no. sp O75385.2 ULK1_HUMAN.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 27740626), Immunohistochemistry-Paraffin 10 ug/ml



## Images

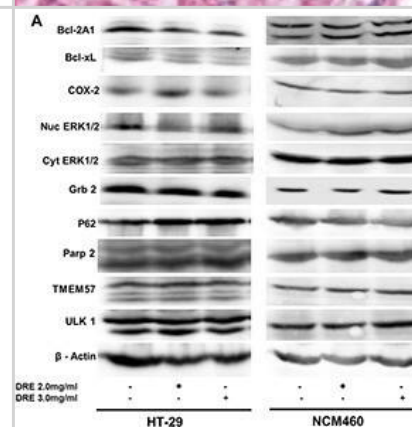
Western Blot: ULK1 Antibody [NBP2-24738] - Analysis of ULK1 in Raji cell lysate in the 1) absence, 2) presence of immunizing peptide and 3) RAW using this antibody.



Immunohistochemistry-Paraffin: ULK1 Antibody [NBP2-24738] - Analysis of human kidney using NBP2-24738



Western Blot: ULK1 Antibody [NBP2-24738] - Activation of signaling pathways by dandelion root extract. Western blots of proteins involved in programmed cell death and cell survival and inflammation. The protein levels, including ULK1 (NBP2-24738), Bcl-2 related protein A1 (NBP1-76715), and PARP2 (NB100-185) corresponded to the mRNA levels obtained during the gene expression analysis. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/27564258/>) licensed under a CC-BY license.



## Publications

Idera, A;Sharkey, LM;Kurauchi, Y;Kadoyama, K;Paulson, HL;Katsuki, H;Seki, T; Wild-type and pathogenic forms of ubiquilin 2 differentially modulate components of the autophagy-lysosome pathways *Journal of pharmacological sciences* 2023-07-01 [PMID: 37257946] (WB, Human)

Da Silva Tf, Granadeiro Ls, Bessa-Neto D Et Al. Plasmalogens regulate the AKT-ULK1 signaling pathway to control the position of the axon initial segment *Progress in neurobiology* 2021-07-21 [PMID: 34302896] (WB)

Sacitharan P, Bou-Gharios G, Edwards J SIRT1 directly activates autophagy in human chondrocytes *Cell Death Discov.* 2020-12-01 [PMID: 32528730] (WB, Human)

Franco-Iborra S, Plaza-Zabala A, Montpeyo M et al. Mutant HTT (huntingtin) impairs mitophagy in a cellular model of Huntington disease *Autophagy* 2020-02-24 [PMID: 32093570]

Chen Zhen-Hua, Wang Wen-Tao, Huang Wei et al. The lncRNA HOTAIRM1 regulates the degradation of PML-RARA oncoprotein and myeloid cell differentiation by enhancing the autophagy pathway. *Cell Death and Differentiation* 2016 -10-14 [PMID: 27740626] (WB, ICC/IF, Human)

Martinez-Vicente M, Franco-Iborra S, Plaza-Zabala A et al. Impairment of neuronal mitophagy by mutant huntingtin *bioRxiv* 2018-05-24

Chen G, Gao X, Wang J et al. Hypoxia-induced microRNA-146a represses Bcl-2 through Traf6/IRAK1 but not Smad4 to promote chondrocyte autophagy. *Biol. Chem.* 2016-12-19 [PMID: 27845876]

Ovadge P, Ammar S, Guerrero Ja et al. Dandelion root extract affects colorectal cancer proliferation and survival through the activation of multiple death signalling pathways. *Oncotarget* 2016-08-22 [PMID: 27564258] (WB)

Karanasios E, Ktistakis NT. Studying Autophagy: List of Useful Antibodies Produced via a Community Effort. *Autophagy at the Cell, Tissue and Organismal Level.* 2016-04-24

Zhang F, Wang J, Chu J et al. MicroRNA-146a Induced by Hypoxia Promotes Chondrocyte Autophagy through Bcl-2. *Cell. Physiol. Biochem.* 2015-11-06 [PMID: 26492575] (WB, Mouse)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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