

Rabbit anti-Human ULK3 Polyclonal Antibody | anti-ULK3 antibody

ULK3 Antibody

CATALOG # AAA40714	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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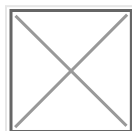
PRODUCT SYNONYMS

ULK3; Polyclonal Antibody; ULK3 Antibody; Unc-51-like kinase 3; unc-51 like kinase 3; anti-ULK3 antibody

PRODUCT SPECIFICATIONS

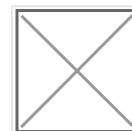
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ULK3 antibody is human specific. Multiple isoforms of ULK3 are known to exist.
Purity/Purification	ULK3 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	472
Applicable Applications for anti-ULK3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ULK3 antibody was raised against a 19 amino acid peptide near the center of human ULK3.
Buffer	ULK3 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ULK3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



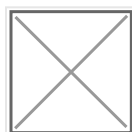
IF (Immunofluorescence)

Immunofluorescence of ULK3 in human brain tissue with ULK3 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of ULK3 in human brain tissue with ULK3 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of ULK3 in human brain tissue lysate with ULK3 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK3 antibody	ULK3 belongs to the Ser/Thr protein kinase superfamily and plays a role in the ATP-dependent phosphorylation of target proteins (1). Knockout of ULK genes results in a severe defect in the autophagy pathway (2). ULK3, like the other Unc-51-like kinases such as ULK1, ULK2 and ULK4, is highly conserved among eukaryotes (3). ULK3 has been shown to be a positive regulator of the Hedgehog signaling pathway by enhancing GLI1 and GLI2 transcriptional activity (4). Furthermore, ULK3 can also interact with SUFU, a protein required for the negative regulation of GLI proteins; this interaction blocks the autophosphorylation of ULK3 and blocks its ability to regulate the GLI proteins (5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150456432
NCBI GeneID	25989
NCBI Accession #	NP_001092906
NCBI GenBank Nucleotide #	NM_001099436.1
UniProt Accession #	Q6PHR2; Q9NPN5; Q9UFS4; B2RXK3; B4DRQ7; D3DW68
Molecular Weight	Predicted: 52 kDa Observed: 52 kDa
NCBI Official Full Name	serine/threonine-protein kinase ULK3
NCBI Official Synonym Full Names	unc-51 like kinase 3
NCBI Official Symbol	ULK3
NCBI Protein Information	serine/threonine-protein kinase ULK3
UniProt Protein Name	Serine/threonine-protein kinase ULK3
UniProt Gene Name	ULK3
UniProt Entry Name	ULK3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.