

Rabbit anti-Human, Mouse ULK4 Polyclonal Antibody | anti-ULK4 antibody

ULK4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40699	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ULK4; Polyclonal Antibody; ULK4 Antibody; FAM7C1; REC01035Unc-51-like kinase 4; unc-51 like kinase 4; anti-ULK4 antibody

PRODUCT SPECIFICATIONS

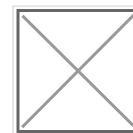
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ULK4 antibody is human and mouse reactive. Multiple isoforms of ULK4 are known to exist.
Purity/Purification	ULK4 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1275
Applicable Applications for anti-ULK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ULK4 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human ULK4.
Buffer	ULK4 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ULK4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



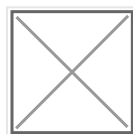
IF (Immunofluorescence)

Immunofluorescence of ULK4 in human brain tissue with ULK4 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of ULK4 in human brain tissue with ULK4 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of ULK4 in 3T3 cell lysate with ULK4 antibody at 0.5 µg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK4 antibody	ULK4 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). ULK4, like the other Unc-51-like kinases such as ULK1, ULK2 and ULK3, is highly conserved among eukaryotes (3). ULK4 has been implicated as a gene involved in the development of hydrocephalus (3). This neurologic disorder is being used in animal models to elucidate factors responsible for the excessive accumulation of cerebrospinal fluid in hydrocephalic humans (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	151301204
NCBI GeneID	54986
NCBI Accession #	NP_060356
NCBI GenBank Nucleotide #	NM_017886.2
UniProt Accession #	Q96C45; Q8IW79; Q9NWW6; Q9UF96; A6NF15
Molecular Weight	Predicted: 140 kDa Observed: 165 kDa
NCBI Official Full Name	serine/threonine-protein kinase ULK4
NCBI Official Synonym Full Names	unc-51 like kinase 4
NCBI Official Symbol	ULK4
NCBI Official Synonym Symbols	FAM7C1; REC01035
NCBI Protein Information	serine/threonine-protein kinase ULK4; unc-51-like kinase 4
UniProt Protein Name	Serine/threonine-protein kinase ULK4
UniProt Gene Name	ULK4
UniProt Entry Name	ULK4_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.