

Mouse ULK3 Monoclonal Antibody | anti-ULK3 antibody

ULK3 Antibody (C-term)

CATALOG # AAA28641	HOST Mouse	REACTIVITY Human, mouse, rat	APPLICATIONS Western Blot, ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

ULK3; Monoclonal Antibody; ULK3 Antibody (C-term); Serine/threonine-protein kinase ULK3; Unc-51-like kinase 3; anti-ULK3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse, rat
Clonality	Monoclonal
Isotype	IgG1,k
Specificity	Generated from a mouse immunized with a KLH conjugated synthetic peptide between 435-468 amino acids from the C-terminal region of human ULK3.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	472
Applicable Applications for anti-ULK3 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Application Notes	WB~~1:50 IHC~~1:1000
Cellular Location	Cytoplasm. Note=Localizes to pre-autophagosomal structure during cellular senescence
Tissue Location	Widely expressed. Highest levels observed in fetal brain. In adult tissues, high levels in brain, liver and kidney, moderate levels in testis and adrenal gland and low levels in heart, lung, stomach, thymus, prostate and placenta. In the brain, highest expression in the hippocampus, high levels also detected in the cerebellum, olfactory bulb and optic nerve. In the central nervous system, lowest levels in the spinal cord
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from HeLa, LNCaP cell line, mouse testis and rat testis tissue lysates (from left to right), using ULK3 Antibody (C-term). AAA28641 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human kidney section using Pink1 (AAA28641). AAA28641 was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK3 antibody	Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH) signaling and autophagy. Acts as a negative regulator of SHH signaling in the absence of SHH ligand: interacts with SUFU, thereby inactivating the protein kinase activity and preventing phosphorylation of GLI proteins (GLI1, GLI2 and/or GLI3). Positively regulates SHH signaling in the presence of SHH: dissociates from SUFU, autophosphorylates and mediates phosphorylation of GLI2, activating it and promoting its nuclear translocation. Phosphorylates in vitro GLI2, as well as GLI1 and GLI3, although less efficiently. Also acts as a regulator of autophagy: following cellular senescence, able to induce autophagy.
Product Categories/Family for anti-ULK3 antibody	Crown Antibodies ; Signal Transduction
References	Ota T.,et al.Nat. Genet. 36:40-45(2004). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Zody M.C.,et al.Nature 440:671-675(2006). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Daub H.,et al.Mol. Cell 31:438-448(2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	656214624
NCBI GeneID	25989
NCBI Accession #	NP_001092906.3
NCBI GenBank Nucleotide #	NM_001099436.3
UniProt Accession #	Q6PHR2 ; Q9NPN5 ; Q9UFS4 ; B2RXK3 ; B4DFT0 ; B4DRQ7 ; D3DW68
Molecular Weight	Calculated MW: 53444
NCBI Official Full Name	serine/threonine-protein kinase ULK3 isoform a
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ulk3-antibody-western-blot-immunohistochemistry-elisa/28641>