

AB-NK298-1

ULK1 Antibody

Pan-specific rabbit polyclonal antibody for monitoring the expression of human ULK1



KINEXUS

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Target Protein

Protein Name Long:	Unc 51 (C. elegans) like kinase 1
Protein Alias:	Unc-51 like kinase 1 (C. elegans); Autophagy related protein 1 homologue; Autophagy-related protein 1 homologue; FLJ38455; Serine/threonine-protein kinase ULK1; Unc51.1; ATG1A; UNC51; C. elegans; homologue of; EC:2.7.11.1; Serine/threonine protein kinase Unc51.1; FLJ46475; ATG 1; hATG1; ATG1; Unc-51-like kinase 1; Serine/threonine protein kinase ULK1; ULK1; Unc 51 like kinase 1; KIAA0722; UNC 51; ULK 1; ULK1_HUMAN; UNC51; ATG1 autophagy related 1 homologue;
UniProt ID:	O75385
Protein Molecular Mass:	112,631 Da (1050 AA; O75385-1)

Immunogen

Antibody Immunogen Source:	Synthetic peptide patterned after the mid-protein of human ULK1
Antibody Immunogen Sequence:	RPKLPKPPTDP
Antibody Immunogen Description:	Corresponds to amino acid residues R567 to P577.
Antibody Target Type:	Pan-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	Peptide Affinity purified
Amount:	25 µg
Antibody Concentration:	0.25 mg/ml
Lot Numbers:	16SE28
Storage Buffer:	Phosphate buffered saline, 50% glycerol, 0.09% sodium azide
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Dog Rat Mouse
Antibody Positive Control:	A 1:1000 dilution of SPC-640 was sufficient for detection of ULK1 in 15 µg of Human HeLa cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Antibody Potency:	Detects a medium-weak ~95 kDa protein band in rat brain lysates, and a medium ~113 kDa protein band in HeLa cell lysates.
Antibody Specificity:	Very high

Antibody Cross Reactivity:

No other prominent cross-reactive proteins in mouse brain lysates.

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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