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Datasheet for ABIN392692  
**anti-ULK2 antibody (N-Term)**

2 Images

Overview

Quantity:	400 µL
Target:	ULK2
Binding Specificity:	AA 235-264, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ULK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-264 amino acids from the N-terminal region of human ULK2.
Clone:	RB12561
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ULK2
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## Target Details

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Alternative Name: [ULK2 \(ULK2 Products\)](#)

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Background: Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Two human homologs of the yeast autophagy-specific kinase exist: ULK1(APG1) and ULK2. APG1 plays a critical role in regulating key elements of the autophagy pathway. APG1 stimulates autophagy, leading to autophagy-dependent restriction of cell growth and ultimately cell apoptosis at high levels of activity, and is a negative regulator of mTOR signaling.

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Molecular Weight: 112694

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Gene ID: 9706

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NCBI Accession: [NP\\_001136082, NP\\_055498](#)

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UniProt: [Q8IYT8](#)

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Pathways: [Regulation of Cell Size, Autophagy](#)

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## Application Details

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Application Notes: WB: 1:1000. IHC-P: 1:10~50

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

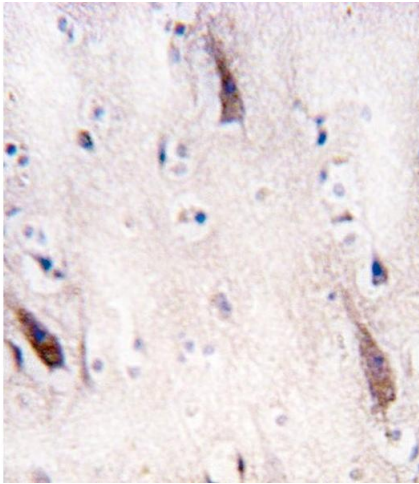
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Storage: 4 °C,-20 °C

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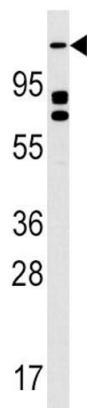
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with ULK2 antibody (N-term) (ABIN392692 and ABIN2842178), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** Western blot analysis of anti-ULK2 Antibody (N-term) (ABIN392692 and ABIN2842178) in K562 cell line lysates (35 µg/lane). ULK2 (arrow) was detected using the purified Pab.