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Datasheet for ABIN5066173
anti-ULK3 antibody (AA 166-177)

3 Images

Overview

Quantity:	100 µg
Target:	ULK3
Binding Specificity:	AA 166-177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the N-terminal of Human ULK3 (aa. 166-177)
Isotype:	IgG
Specificity:	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., Detects ~53 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Peptide Affinity Purified

Target Details

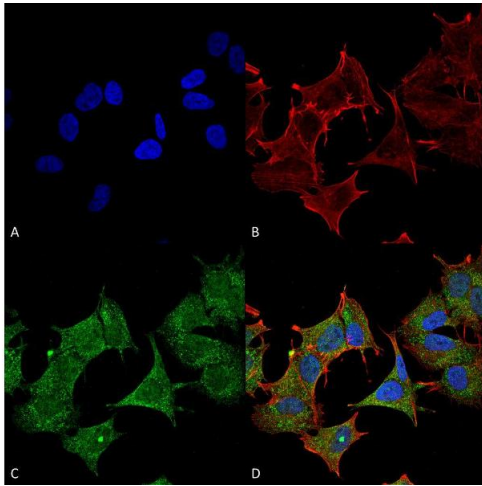
Target:	ULK3
Alternative Name:	ULK3 (ULK3 Products)
Background:	UNC-51 like kinase 3, ULK3, is a serine-threonine protein kinase that acts as a regulator of SHH signaling and autophagy. Is phosphorylates in vitro GLI2.
Gene ID:	25989
NCBI Accession:	NP_001092906
UniProt:	Q6PHR2

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5066173 was sufficient for detection of ULK3 in 15 µg of Human HeLa Cell Lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

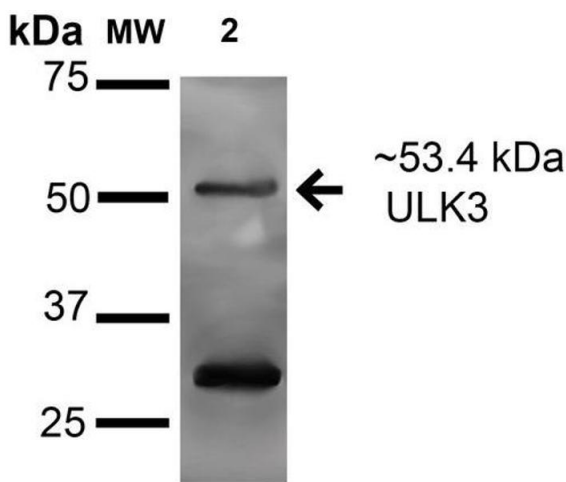
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



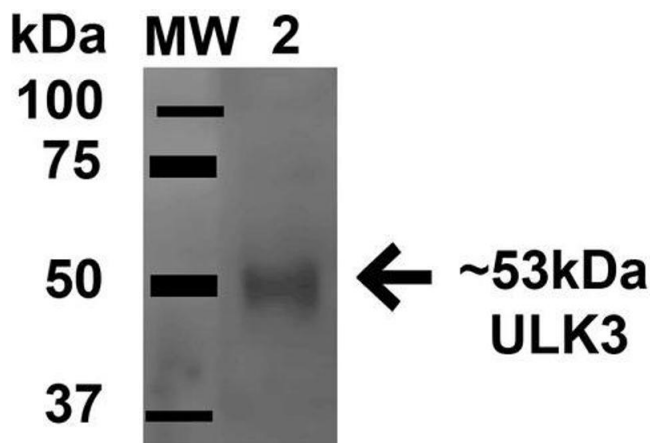
Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-ULK3 Polyclonal Antibody . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-ULK3 Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ULK3 Antibody (D) Composite.



Western Blotting

Image 2. Western blot analysis of Human A549 cell lysates showing detection of 53.4 kDa ULK3 protein using Rabbit Anti-ULK3 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Human A549 cell lysates. Load: 15 µg . Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-ULK3 Polyclonal Antibody at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 53.4 kDa. Other Band(s): ~25 kDa in all lysates.



Western Blotting

Image 3. Western blot analysis of Rat Brain cell lysates showing detection of 53.4 kDa ULK3 protein using Rabbit Anti-ULK3 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain cell lysates. Load: 15 µg . Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-ULK3 Polyclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT.

Predicted/Observed Size: 53.4 kDa.