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Datasheet for ABIN7271222

anti-ULK3 antibody

2 Images

Overview

Quantity:	100 µL
Target:	ULK3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ULK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ULK3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human ULK3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ULK3
Alternative Name:	ULK3 (ULK3 Products)
Background:	Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH signaling and

Target Details

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.,Autophagy,Cell Biology & Developmental Biology,Endocrine & Metabolism,Kinase,Mitochondrial metabolism,Signal Transduction,ULK3

Molecular Weight: 53kDa

Gene ID: 25989

UniProt: [Q6PHR2](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

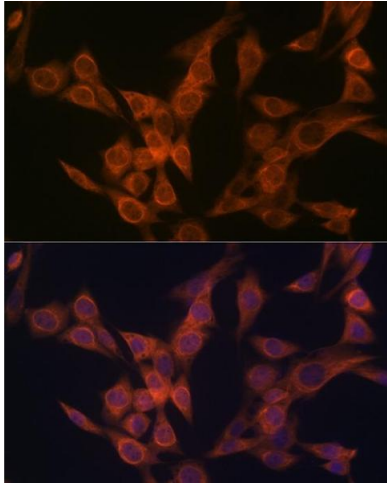
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

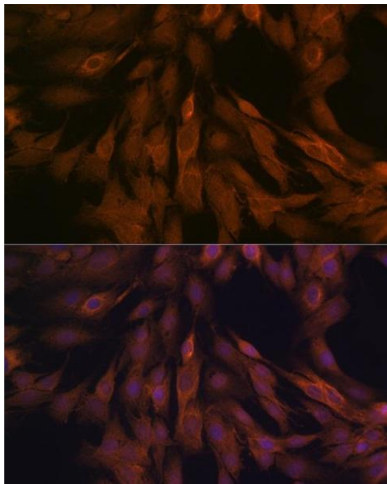
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using ULK3 Rabbit mAb (ABIN7271222) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of C6 cells using ULK3 Rabbit mAb (ABIN7271222) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.