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Datasheet for ABIN4915037

anti-ULK3 antibody

1 Image

Overview

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

Product Details

Immunogen:	This ULK3 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 435-468 amino acids from the C-terminal region of human ULK3.
Clone:	4C5
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	ULK3
Alternative Name:	ULK3 (ULK3 Products)

Target Details

Background: Synonyms: Serine/threonine-protein kinase ULK3, Unc-51-like kinase 3, ULK3
Background: 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.

Gene ID: 25989

UniProt: [Q6PHR2](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

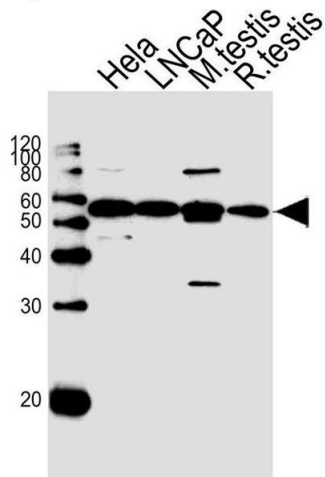
Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: HeLa Cell lysates, Lane 2: LNCaP Cell lysates, Lane 3: Mouse testis lysates, Lane 4: Rat testis lysates, probed with ULK3 (1404CT148.89.25) Monoclonal Antibody, unconjugated (bsm-51408M) at 1:1000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.