BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-ULK3 Antibody (C-term)

Catalog Number: M07706-1

About ULK3

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.

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Overview

Product Name	Anti-ULK3 Antibody (C-term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ULK3 Antibody (C-term) (Catalog # M07706-1). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 1404CT148.89.25
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q6PHR2

Technical Details

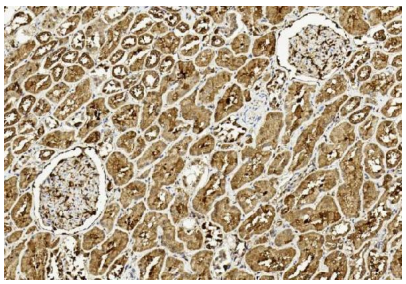
Immunogen	This ULK3 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 435-468 amino acids from the C-terminal region of human ULK3.
Predicted Reactive Species	Bovine
Isotype	IgG1,k

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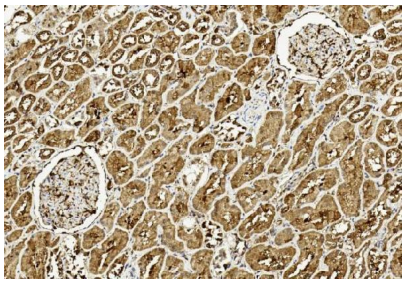
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IHC: 1:50 WB: 1:1000

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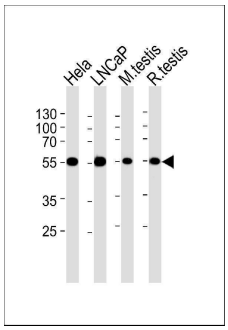
Anti-ULK3 Antibody (C-term) (M07706-1) Images



Immunohistochemical analysis of paraffin-embedded Human kidney section using Pink1. M07706-1 was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded Human kidney section using Pink1. M07706-1 was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary



Western blot analysis of lysates from Hela, LNCaP cell line, mouse testis and rat testis tissue lysates(from left to right), using ULK3 Antibody (C-term). M07706-1 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Anti-ULK3 Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.