

K63-linkage Specific Ubiquitin Rabbit mAb

Catalog No: #49420



Package Size: #49420-1 50ul #49420-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

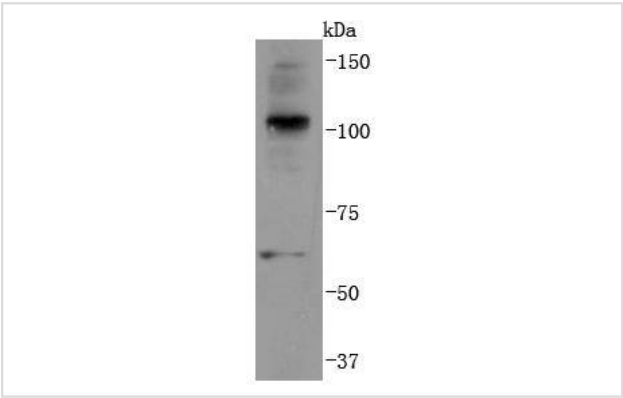
Description

Product Name	K63-linkage Specific Ubiquitin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM09-67
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Epididymis secretory protein Li 50 antibody FLJ25987 antibody HEL S 50 antibody MGC8385 antibody Polyubiquitin B antibody RPS 27A antibody RPS27A antibody UBA 52 antibody UBA 80 antibody UBA52 antibody UBA80 antibody UBB antibody UBB_HUMAN antibody UBC antibody UBCEP 1 antibody UBCEP 2 antibody UBCEP1 antibody UBCEP2 antibody Ubiquitin antibody Ubiquitin B antibody
Accession No.	Swiss-Prot#:P0CG47
Calculated MW	60-100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

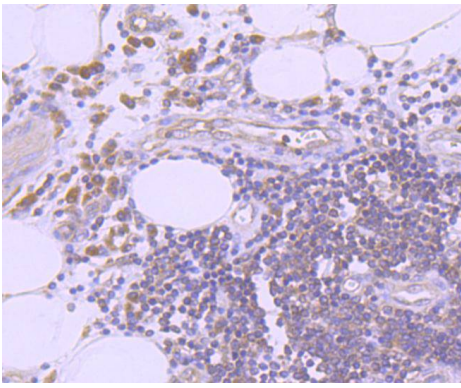
Application Details

WB: 1:1,000IHC: 1:50-1:200ICC: 1:100-1:500

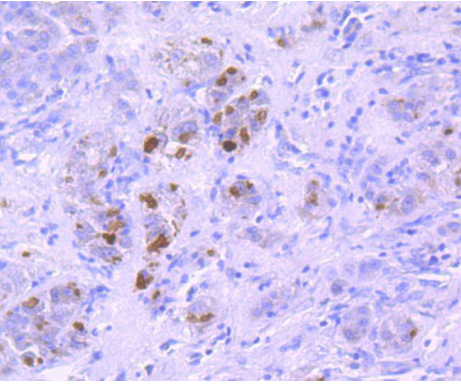
Images



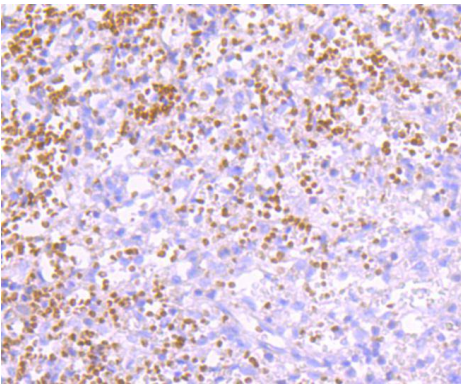
Western blot analysis of K63-linkage Specific Ubiquitin on HeLa cells lysates using anti-K63-linkage Specific Ubiquitin antibody at 1/1,000 dilution.



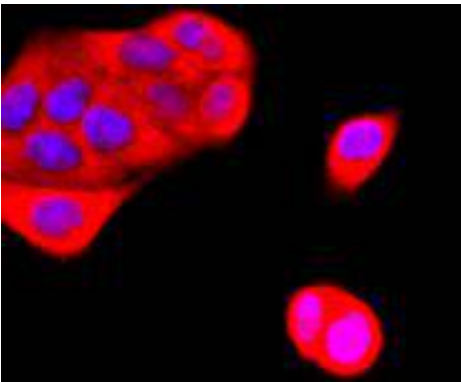
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-K63-linkage Specific Ubiquitin antibody. Counter stained with hematoxylin.



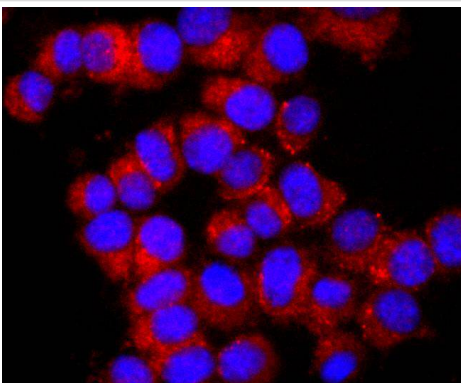
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-K63-linkage Specific Ubiquitin antibody. Counter stained with hematoxylin.



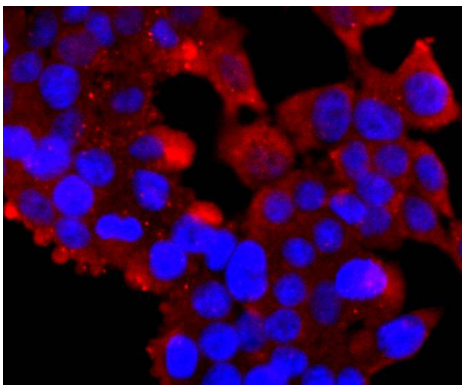
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-K63-linkage Specific Ubiquitin antibody. Counter stained with hematoxylin.



ICC staining K63-linkage Specific Ubiquitin in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining K63-linkage Specific Ubiquitin in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining K63-linkage Specific Ubiquitin in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Ubiquitin (Ub) is among the most phylogenetically conserved proteins known. The primary function of ubiquitin is to clear abnormal, foreign and improperly folded proteins by targeting them for degradation by the 26S Proteasome. This small, 76 amino acid protein can be covalently attached to cellular proteins via an isopeptide linkage between the carboxy terminal group of ubiquitin and lysine amino groups on the acceptor protein. For proteolysis to occur, ubiquitin oligomers must be assembled. Ubiquitin chains on proteolytic substrates are commonly found to have an isopeptide bridge between Lys 48 of one ubiquitin molecule and the carboxy-terminus of a neighboring ubiquitin molecule. Ubiquitin also plays a role in regulating signal transduction cascades through the elimination inhibitory proteins, such as I κ B- α and p27.

References

1. Choi YB & Harhaj EW HTLV-1 tax stabilizes MCL-1 via TRAF6-dependent K63-linked polyubiquitination to promote cell survival and transformation. PLoS Pathog 10:e1004458 (2014).
2. Jadhav S et al. RNA-binding Protein Musashi Homologue 1 Regulates Kidney Fibrosis by Translational Inhibition of p21 and Numb mRNA. J Biol Chem 291:14085-94 (2016).

Published Papers

et al., Tripartite motif 25 inhibits protein aggregate degradation during PRRSV infection by suppressing p62-mediated autophagy. In J Virol on 2024 Nov 19 by Jiahui Ren, Qiming Pei, et al.. PMID:39480084, , (2024)

[PMID:39480084](https://pubmed.ncbi.nlm.nih.gov/39480084/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.