Product Datasheet

UBC9 Rabbit mAb

Catalog No: #48933

Package Size: #48933-1 50ul #48933-2 100ul

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

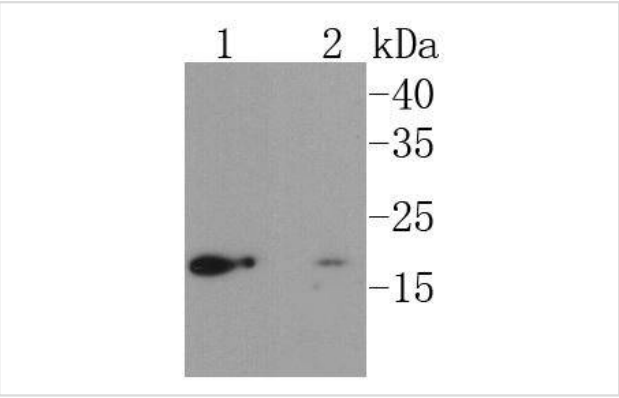
Description

Product Name	UBC9 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC0534
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, CHIP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	C358B7.1 antibody p18 antibody SUMO 1 protein ligase antibody SUMO conjugating enzyme UBC9 antibody SUMO-conjugating enzyme UBC9 antibody SUMO-protein ligase antibody SUMO1 protein ligase antibody UBC9 antibody UBC9_HUMAN antibody UBCE9 antibody Ube2i antibody Ubiquitin carrier protein 9 antibody Ubiquitin carrier protein antibody Ubiquitin carrier protein I antibody Ubiquitin conjugating enzyme 9 antibody Ubiquitin conjugating enzyme E2I (homologous to yeast UBC9) antibody Ubiquitin conjugating enzyme E2I (UBC9 homolog, yeast) antibody Ubiquitin conjugating enzyme UbcE2A antibody Ubiquitin like protein SUMO 1 conjugating enzyme antibody Ubiquitin protein ligase E2I antibody Ubiquitin-conjugating enzyme E2 I antibody Ubiquitin-protein ligase I antibody
Accession No.	Swiss-Prot#:P63279
Uniprot	P63279
GeneID	7329;
Calculated MW	18 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

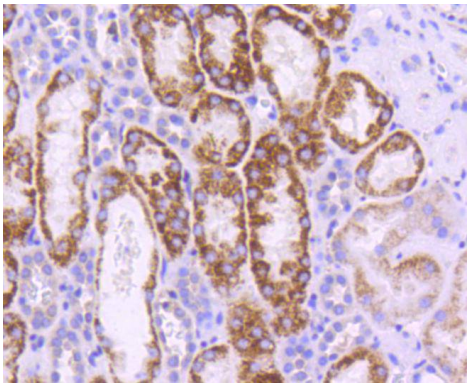
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200ICC: 1:50-1:200

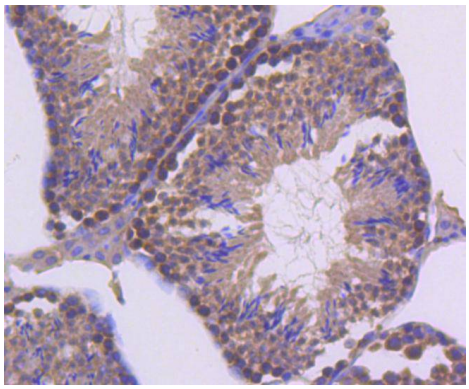
Images



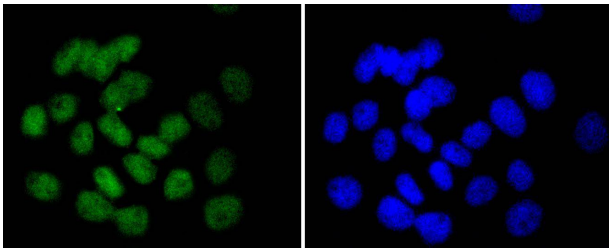
Western blot analysis of UBC9 on different lysates using anti-UBC9 antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2 Lane 2: HUVEC



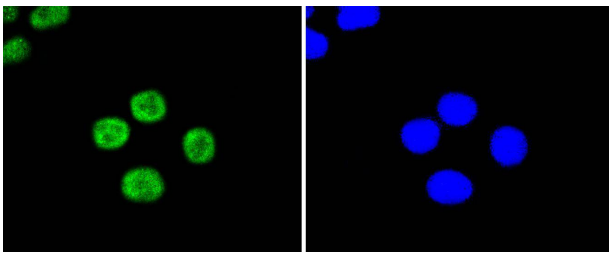
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-UBC9 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-UBC9 antibody. Counter stained with hematoxylin.



ICC staining UBC9 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining UBC9 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

UBC9 is a component of the ubiquitin-mediated proteolytic pathway, which targets proteins for degradation by the 26S proteasome, mediates endocytosis and directs protein subcellular localization. Ub and Ub-like molecules are systematically transferred from E2 conjugating enzymes to the targeted substrate by way of an E3 ubiquitin ligase. UBC9 functions as an E2 ubiquitin conjugating enzyme that preferentially associates with the ubiquitin homolog designated SUMO-1 or sentrin, a component of the sentrinization complex. Characteristic of the E2 family members, UBC9 contains a conserved cysteine residue that is required for the thio ester formation between Ub-like proteins and the E2 member, and it shares a conserved UBC domain. Substrates for UBC9 include transcription factors E12 and E47 and mitotic regulators RanBP2 and RanGAP1, which indicates that UBC9 may regulate various cellular processes including cell cycle progression and differentiation.

References

Note: This product is for in vitro research use only