



Rabbit Anti-UBE2I monoclonal antibody, clone TD1645 (DCABH-9655)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	UBC9
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD1645
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, CHIP
Molecular Weight	18 kDa
Cellular Localization	Nucleus, Cytoplasm.
Positive Control	HUVEC, A431, HepG2, human kidney tissue, mouse testis tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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.

Keywords

C358B7.1;p18;SUMO 1 protein ligase;SUMO conjugating enzyme UBC9;SUMO-conjugating enzyme UBC9;SUMO-protein ligase;SUMO1 protein ligase;UBC9;UBC9_HUMAN;UBCE9;Ube2i;Ubiquitin carrier protein 9;Ubiquitin carrier protein;Ubiquitin carrier protein I;Ubiquitin conjugating enzyme 9;Ubiquitin conjugating enzyme E2I (homologous to yeast UBC9);Ubiquitin conjugating enzyme E2I (UBC9 homolog, yeast);Ubiquitin conjugating enzyme UbcE2A;Ubiquitin like protein SUMO 1 conjugating enzyme;Ubiquitin protein ligase E2I;Ubiquitin-conjugating enzyme E2 I;Ubiquitin-protein ligase I antibody
