



Mouse anti-Human Ubc9 monoclonal antibody, clone 60/Vcd0 (CABT-B9355)

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

PRODUCT INFORMATION

Immunogen	Human Ubc9 aa. 26-156
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog, Chicken
Clone	60/Vcd0
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IHC; IF
Format	Liquid
Concentration	250 µg/ml
Size	50 µg, 150 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Progression of the mammalian cell cycle is primarily regulated by
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phosphorylation/dephosphorylation and synthesis/degradation of many key proteins. Ubiquitin, a soluble protein of 76 amino acids, is enzymatically attached to an e-NH₂-Lys in a target protein. Ubiquitination is a hallmark for rapid protein degradation of the target protein in the proteasome (a cytoplasmic complex of proteases). Human homologs of the yeast ubiquitin-conjugating enzymes (Ubc) have been reported, including Ubc9. Ubc9 is 158 amino acids with an apparent molecular weight of 18kDa. Although ubiquitously expressed, the highest levels of Ubc9 are found in testis and thymus. Ubc9 was localized to the synaptonemal complex in male mouse sex chromosomes. Furthermore, Ubc9 interacts with the recombination protein Rad51, thus suggesting an important role for Ubc9 during meiosis.

Keywords

UBE2I; ubiquitin-conjugating enzyme E2I; P18; UBC9; C358B7.1; SUMO-conjugating enzyme UBC9; SUMO-protein ligase; SUMO-1-protein ligase; ubiquitin-protein ligase I; ubiquitin carrier protein 9; ubiquitin carrier protein I; ubiquitin-protein ligase E2I; ubiquitin conjugating enzyme 9; ubiquitin-conjugating enzyme UbcE2A; ubiquitin-like protein SUMO-1 conjugating enzyme; ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast); ubiquitin-conjugating enzyme E2I (homologous to yeast UBC9);

GENE INFORMATION

Entrez Gene ID [7329](#)

UniProt ID [A8K503](#)
