UBE2I Polyclonal Antibody

E92193

Catalog Number: E92193
Amount: 100ul
Background: The process of SUMO-1 conjugation is similar to that seen with ubiquitin and other forms of post-translational protein modification (1). Like ubiquitin, SUMO-1 is conjugated to its target protein by the coordinated action of ubiquitin conjugation enzymes E1, E2 and E3 (2). Ubc9 (or ube2M) is a highly conserved, 158 amino acid protein that acts as a SUMO-1 conjugating enzyme (3). Ubc9 binds to target proteins through their SUMO-1-CS (consensus sequence) domains and interacts with SUMO via the structurally conserved amino-terminal domain (3,4). Localization of Ubc9 to the nucleus and the nuclear envelope allows this enzyme to catalyze target protein sumoylation and regulate target protein nucleocytoplasmic transport and transcriptional activity (5,6). Ubc9 target proteins include a host of proteins (RAD51, RAD52, p53 and c-Jun) that regulate the cell cycle, DNA repair, and p53-dependent processes (7).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: C358B7.1; P18; UBC9;
Immunogen: Recombinant protein of human UBE2I
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 18kDa
Swiss-Prot No. : P63279
Gene ID: 7329
References: 1. Geiss-Friedlander, R. and Melchior, F. (2007) Nat Rev Mol Cell Biol 8, 947-56. 2. Tatham, M.H. et al. (2003) Biochemistry 42, 3168-79. 3. Sampson, D.A. et al. (2001) J Biol Chem 276, 21664-9. 4. Liu, Q. et al. (1999) J Biol Chem 274, 16979-87. 5. Lee, G.W. et al. (1998) J Biol Chem 273, 6503-7. 6. Pichler, A. and Melchior, F. (2002) Traffic 3, 381-7. 7. Mo, Y.Y. and Moschos, S.J. (2005) Expert Opin Ther Targets 9, 1203-16.

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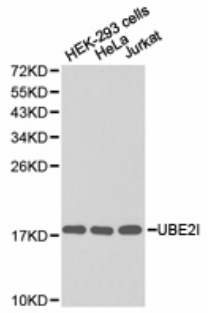
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of variouscell lines, using UBE2I antibody.

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