E92129

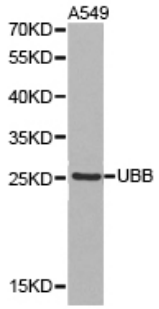
UBB Polyclonal Antibody

Catalog Number: E92129
Amount: 100ul
Background: Ubiquitin is a conserved polypeptide unit that plays an important role in the ubiquitin-proteasome pathway. Ubiquitin can be covalently linked to many cellular proteins by the ubiquitination process, which targets proteins for degradation by the 26S proteasome. Three components are involved in the target protein-ubiquitin conjugation process. Ubiquitin is first activated by forming a thiolester complex with the activation component E1; the activated ubiquitin is subsequently transferred to the ubiquitin-carrier protein E2, then from E2 to ubiquitin ligase E3 for final delivery to the epsilon-NH2 of the target protein lysine residue (1-3). The ubiquitin-proteasome pathway has been implicated in a wide range of normal biological processes and in disease-related abnormalities. Several proteins such as IκB, p53, cdc25A, and Bcl-2 have been shown to be targets for the ubiquitin-proteasome process as part of regulation of cell cycle progression, differentiation, cell stress response, and apoptosis (4-7).
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: FLJ25987; MGC8385; ubiquitin B
Immunogen: Recombinant protein of human UBB
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 26kDa
Swiss-Prot No. : P0CG47
Gene ID: 7314
References: 1. Ciechanover, A. (1998) EMBO J. 17, 7151-7160. 2. Hochstrasser, M. (2000) Nat. Cell Biol. 2, E153-E157. 3. Hochstrasser, M. (2000) Science 289, 563-564. 4. Bernardi, R. et al. (2000) Oncogene 19, 2447-2454. 5. Aberle, H. et al. (1997) EMBO J. 16, 3797-3804. 6. Salomoni, P. and Pandolfi, P.P. (2002) Nat. Cell Biol. 4, E152-E153. 7. Jesenberger, V. and Jentsch, S. (2002) Nat. Rev. Mol. Cell Biol. 3, 112-121.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of A549cell lines, using UBB antibody.