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UBB

Reactivity: Human Mouse Rat

Tested applications:WB IHC ICC FC

Recommended Dilution:WB 1:1000 - 1:2000 IHC 1:100 - 1:200 ICC 1:100 - 1:200 FC 1:50 - 1:200

Calculated MW:8kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human UBB

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bi

Synonym:

UBB;FLJ25987;MGC8385

Catalog #:A0162

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:7314

Isotype: IgG

Swiss Prot:P0CG47

Purity: Affinity purification

For research use only.

Background:

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 ubiquitin-activating enzyme (UBE1 or E1). The activated ubiquitin is subsequently transferred to the ubiquitin-carrier protein E2, and then from E2 to ubiquitin ligase E3 for final delivery to the -amino group of the target protein lysine residue (1-3). Combinatorial interactions of different E2 and E3 proteins result in substrate specificity (4). UBE1 has two isofoms: UBE1a is a nuclear protein of 117 kDa while UBE1b is a nuclear and cytoplasmic protein of 110 kDa (5).

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