



# UBE2B rabbit pAb

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYab-10964   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human; Mouse;Rat   |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | UBE2B RAD6B  |
| <b>Protein Name</b>       | UBE2B  |
| <b>Immunogen</b>          | Synthesized peptide derived from human UBE2B AA range: 23-73   |
| <b>Specificity</b>        | This antibody detects endogenous levels of UBE2B at Human/Mouse/Rat  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Dilution</b>           | WB 1: 500-2000   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           |  |
| <b>Observed Band</b>      |  |
| <b>Cell Pathway</b>       | Cell membrane . Nucleus . In peripheral neurons, expressed both at the plasma membrane and in nuclei. .  |
| <b>Tissue Specificity</b> |  |
| <b>Function</b>           | catalytic activity:ATP + ubiquitin + protein lysine = AMP + diphosphate + protein N-ubiquityllysine.,function:Catalyzes the covalent attachment of ubiquitin to other proteins. Required for postreplication repair of UV-damaged DNA. Associates to the E3 ligase RAD18 to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. May be involved in neurite outgrowth.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the ubiquitin-conjugating enzyme family.,subcellular location:In peripheral neurons, expressed both at the plasma membrane and in nuclei.,subunit:Interacts with RAD18 and UBR2., |
| <b>Background</b>         | The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves   |

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at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair. Its protein sequence is 100% identical to the mouse, rat, and rabbit homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. [provided by RefSeq, Jul 2008],

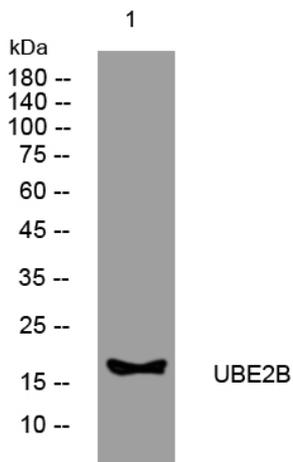
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from A549 cells, primary antibody was diluted at 1:1000, 4° over night