



UBE2B mouse mAb

Catalog No	YP-mAb-10964
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	UBE2B RAD6B
Immunogen	Synthesized peptide derived from human UBE2B AA range: 23-73
Specificity	This antibody detects endogenous levels of UBE2B at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	E2 17kDa;HHR6B;HR6B;RAD6 homolog B;RAD6B;UBC2;UBE2B;Ubiquitin carrier protein B;UBE2B RAD6B
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane . Nucleus . In peripheral neurons, expressed both at the plasma membrane and in nuclei. .
Tissue Specificity	
Function	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.,



Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves 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 Mouse homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. [provided by RefSeq, Jul 2008],

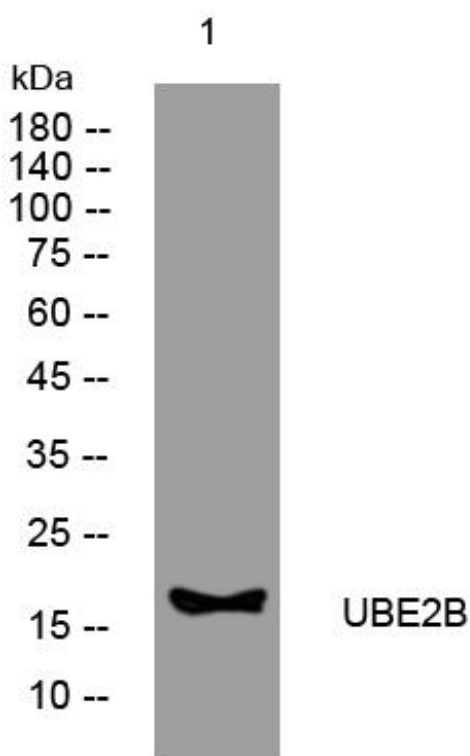
matters needing attention

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 various cells using UBE2B mouse mAb