



UBP1 Monoclonal Antibody

Catalog No	BYmab-06333
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	USP1
Protein Name	Ubiquitin carboxyl-terminal hydrolase 1 (EC 3.4.19.12) (Deubiquitinating enzyme 1) (hUBP) (Ubiquitin thioesterase 1) (Ubiquitin-specific-processing protease 1)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UBP1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	86kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Epithelium,Eye,Fetal brain,Testis,Uterus,
Function	catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,developmental stage:Cell cycle-regulated. Highest level during S phase.,function:Negative regulator of DNA damage repair. Autocatalytic cleavage of USP1 leads to an increase in ubiquitinated PCNA, recruitment of POLH and translesion synthesis following DNA damage. Regulates ubiquitination of FANCD2.,miscellaneous:HEK293T cells expressing reduced levels of USP1 show a higher level of ubiquitinated PCNA and an increase in point mutations upon UV irradiation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Ubiquitinated. Degraded by the proteasome.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the peptidase C19 family.,subunit:Interacts with FANCD2.,

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**Background**

This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized. [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