



# UBP1 Polyclonal Antibody

<b>Catalog No</b>	BYab-06333
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	USP1
<b>Protein Name</b>	Ubiquitin carboxyl-terminal hydrolase 1 (EC 3.4.19.12) (Deubiquitinating enzyme 1) (hUBP) (Ubiquitin thioesterase 1) (Ubiquitin-specific-processing protease 1)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	UBP1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<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>	86kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Brain,Epithelium,Eye,Fetal brain,Testis,Uterus,
<b>Function</b>	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 ubiquitylated 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**