



UBP1 Polyclonal Antibody

Catalog No	YP-Ab-06333
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	USP1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UBP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DKFZp686L1745;LBP 1a;LBP 1B;LBP1;LBP1A;LBP1B;Transcription factor LBP 1;UBP1;Upstream binding protein 1;USP1;Ubiquitin carboxyl-terminal hydrolase 1 (EC 3.4.19.12) (Deubiquitinating enzyme 1) (hUBP) (Ubiquitin thioesterase 1) (Ubiquitin-specific-processing protease 1)
Observed Band	65-68 kDa
Calculated Molecular Weight	60 kDa
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.,

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