

## UBP1 Rabbit pAb

CatalogNo: YN1463

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,ELISA

#### MW

- 86kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:5000-20000**

### | Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** Synthesized peptide derived from part region of human protein

**Specificity** UBPI Polyclonal Antibody detects endogenous levels of protein.

### | Target Information

**Gene name** USP1

<b>Protein Name</b>	Ubiquitin carboxyl-terminal hydrolase 1 (Deubiquitinating enzyme 1) (hUBP) (Ubiquitin thioesterase 1) (Ubiquitin-specific-processing protease 1)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">7398;</a>	<a href="#">O94782;</a>
	Mouse		<a href="#">Q8BJQ2;</a>
	Rat		<a href="#">Q569C3;</a>
<b>Cellular Localization</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.,		

| Validation Data

| Contact information

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**UB1 Rabbit pAb**