

**USP19 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51603****Specification**

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**USP19 Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">O94966</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	146 KDa

**USP19 Antibody - Additional Information****Gene ID** 10869**Other Names**

Ubiquitin carboxyl-terminal hydrolase 19, Deubiquitinating enzyme 19, Ubiquitin thioesterase 19, Ubiquitin-specific-processing protease 19, Zinc finger MYND domain-containing protein 9, USP19, KIAA0891, ZMYND9

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**USP19 Antibody - Protein Information****Name** USP19**Synonyms** KIAA0891, ZMYND9**Function**

Deubiquitinating enzyme that regulates the degradation of various proteins. Deubiquitinates and prevents proteasomal degradation of RNF123 which in turn stimulates CDKN1B ubiquitin-dependent degradation thereby playing a role in cell proliferation. Involved in decreased protein synthesis in atrophying skeletal muscle. Modulates transcription of major myofibrillar proteins. Also involved in turnover of endoplasmic-reticulum-associated degradation (ERAD) substrates. Regulates the stability of BIRC2/c-IAP1 and BIRC3/c-IAP2 by preventing their ubiquitination. Required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non- catalytic manner. Plays an important role in 17 beta-estradiol (E2)-inhibited myogenesis. Decreases the levels of ubiquitinated proteins during skeletal muscle formation and acts to repress myogenesis. Exhibits a preference towards 'Lys-63'-linked ubiquitin chains.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass membrane protein

### **USP19 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **USP19 Antibody - Images**

### **USP19 Antibody - Background**

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### **USP19 Antibody - References**

Nagase T.,et al.DNA Res. 5:355-364(1998).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Muzny D.M.,et al.Nature 440:1194-1198(2006).  
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).  
Hassink G.C.,et al.EMBO Rep. 10:755-761(2009).