

**USP50 Polyclonal Antibody**  
**Catalog # AP73027****Specification**

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**USP50 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P              |
| Primary Accession | <a href="#">Q70EL3</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

**USP50 Polyclonal Antibody - Additional Information****Gene ID** 373509**Other Names**

USP50; Inactive ubiquitin carboxyl-terminal hydrolase 50; Inactive ubiquitin-specific peptidase 50

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**USP50 Polyclonal Antibody - Protein Information****Name** USP50 ([HGNC:20079](#))**Function**

Deubiquitinating enzyme that removes conjugated ubiquitin from specific proteins to regulate different cellular processes. Regulates the inflammasome signaling pathway by deubiquitinating 'Lys- 63'-linked polyubiquitination of the PYCARD/ASC adapter protein (PubMed:<a href="http://www.uniprot.org/citations/28094437" target="\_blank">28094437</a>). Regulates the ubiquitination and stability of the ACE2 protein (PubMed:<a href="http://www.uniprot.org/citations/36876523" target="\_blank">36876523</a>). Acts as a negative regulator of the G2/M checkpoint pathway, by preventing serine/threonine kinase WEE1 degradation, thereby repressing entry into mitosis following activation of the G2/M DNA damage checkpoint (PubMed:<a href="http://www.uniprot.org/citations/20930503" target="\_blank">20930503</a>).

**Cellular Location**Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus  
Note=Accumulates in the nucleus following DNA injury

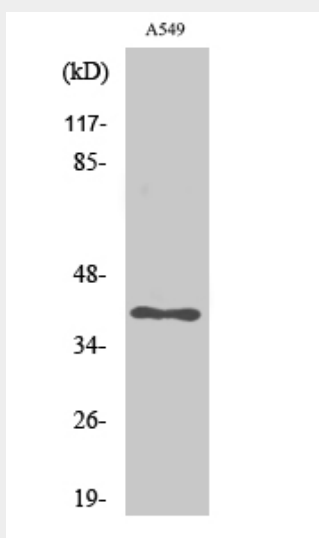
**Tissue Location**

Weakly expressed in a few tissues.

**USP50 Polyclonal 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](#)

**USP50 Polyclonal Antibody - Images**

Western Blot analysis of various cells using USP50 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

**USP50 Polyclonal Antibody - Background**

Has no peptidase activity.