

**USP50 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11253c****Specification**

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**USP50 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O70EL3](#)  
Other Accession [NP\\_987090.1](#)

**USP50 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 373509

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**USP50 Antibody (Center) Blocking peptide - 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 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**USP50 Antibody (Center) Blocking peptide - Images****USP50 Antibody (Center) Blocking peptide - Background**

Has no peptidase activity.