

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

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:28094437). Regulates the ubiquitination and stability of the ACE2 protein (PubMed:36876523). 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:20930503).

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.