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USP50 Polyclonal Antibody

Catalog # AP73027

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q70EL3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38955

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 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

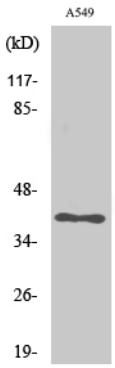
Protein Information

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.

Background

Has no peptidase activity.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.