

**USP30 Polyclonal Antibody**  
Catalog # AP73017**Specification****USP30 Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q70CQ3</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**USP30 Polyclonal Antibody - Additional Information****Gene ID** 84749**Other Names**

USP30; Ubiquitin carboxyl-terminal hydrolase 30; Deubiquitinating enzyme 30; Ubiquitin thioesterase 30; Ubiquitin-specific-processing protease 30; Ub-specific protease 30

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

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

**Storage Conditions**

-20°C

**USP30 Polyclonal Antibody - Protein Information****Name** USP30 ([HGNC:20065](#))**Function**

Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy (PubMed: [18287522](http://www.uniprot.org/citations/18287522), PubMed: [24896179](http://www.uniprot.org/citations/24896179), PubMed: [25527291](http://www.uniprot.org/citations/25527291), PubMed: [25621951](http://www.uniprot.org/citations/25621951)). Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate in mitophagic signaling (PubMed: [25621951](http://www.uniprot.org/citations/25621951)). Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' (PubMed: [25527291](http://www.uniprot.org/citations/25527291)). Acts as a negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2 (By similarity).

### Cellular Location

Mitochondrion outer membrane

### Tissue Location

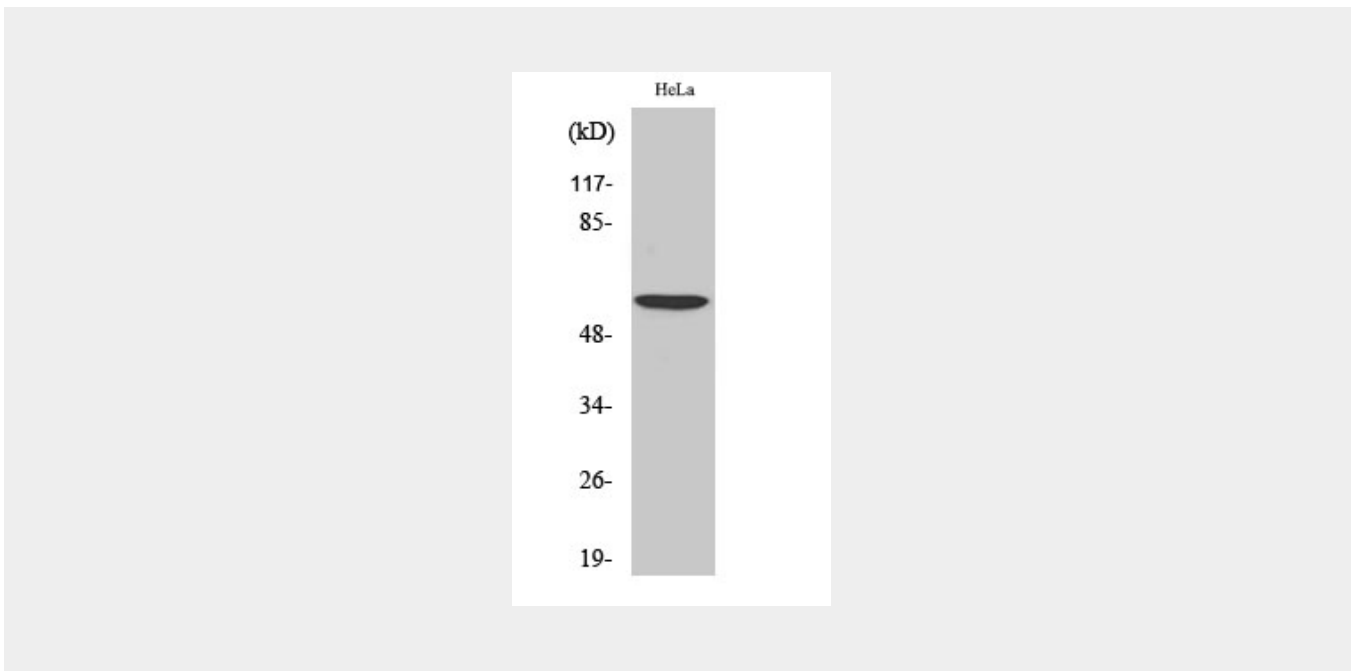
Expressed in skeletal muscle, pancreas, liver and kidney.

### USP30 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](#)

### USP30 Polyclonal Antibody - Images



### USP30 Polyclonal Antibody - Background

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