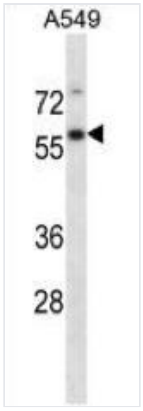
# USP30 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | USP30, Polyclonal Antibody |
| **Full Product Name** | USP30, NT (USP30, Ubiquitin carboxyl-terminal hydrolase 30, Deubiquitinating enzyme 30, Ubiquitin thioesterase 30, Ubiquitin-specific-processing protease 30) (MaxLight 750) |
| **Product Gene Name** | anti-USP30 antibody |
| **Product Synonym Names** | USP30; Ubiquitin carboxyl-terminal hydrolase 30; Deubiquitinating enzyme 30; Ubiquitin thioesterase 30; Ubiquitin-specific-processing protease 30 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human USP30. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 58,503 Da |
| **Chromosome Location** | Chromosome: 12; NC_000012.11 (109490380..109525831). Location: 12q24.11 |
| **OMIM** | 612492 |
| **3D Structure** | ModBase 3D Structure for Q70CQ3 |
| **Immunogen** | KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 156-185 in the N-terminal region of human USP30, UniProt Accession #Q70CQ3; NP_116052.2. Species sequence homology: mouse, rat |
| **Conjugate** | MaxLight750 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-USP30 antibody** | Antibodies; Ubiquitin |
| **Applications Tested/Suitable for anti-USP30 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-USP30 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-USP30 antibody** | USP30, a member of the ubiquitin-specific protease family (see USP1, MIM 603478), is a novel mitochondrial deubiquitinating (DUB) enzyme (Nakamura and Hirose, 2008 [PubMed 18287522]). |
| **Product References and Citations for anti-USP30 antibody** | 1. Nakamura, N., et al. Mol. Biol. Cell 19(5):1903-1911(2008). 2. Quesada, V., et al. Biochem. Biophys. Res. Commun. 314(1):54-62(2004). 3. Puente, X.S., et al. Nat. Rev. Genet. 4(7):544-558(2003). |

| | |
|---|---|
| **Other Notes** | Small volumes of anti-USP30 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for USP30 purchase** | MBS6361925 is an antibody targeting USP30. Also known as USP30, NT (USP30, Ubiquitin carboxyl-terminal hydrolase 30, Deubiquitinating enzyme 30, Ubiquitin thioesterase 30, Ubiquitin-specific-processing protease 30) (MaxLight 750). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-USP30 antibody**
Western Blot analysis in A549 cell line lysates (35ug/lane) usingMBS6012701. This demonstrates that MBS6012701 detected the USP30 protein (arrow).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP30. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 164607167 |
| **NCBI GeneID** | 84749 |
| **NCBI Accession #** | NP_116052.2 |
| **UniProt Primary Accession #** | Q70CQ3 |
| **UniProt Secondary Accession #** | Q8WTU7; Q96JX4; Q9BSS3 |
| **UniProt Related Accession #** | Q70CQ3 |
| **GenBank Nucleotide #** | NM_032663.3 |
| **NCBI Official Full Name** | ubiquitin carboxyl-terminal hydrolase 30 |
| **NCBI Official Synonym Full Names** | ubiquitin specific peptidase 30 |
| **NCBI Official Symbol** | USP30 |
| **UniProt Protein Name** | Ubiquitin carboxyl-terminal hydrolase 30 |
| **UniProt Synonym Protein Names** | Deubiquitinating enzyme 30; Ubiquitin thioesterase 30; Ubiquitin-specific-processing protease 30 |
| **Protein Family** | Ubiquitin carboxyl-terminal hydrolase |
| **UniProt Gene Name** | USP30 |
| **UniProt Synonym Gene Names** | Ub-specific protease 30 |
| **UniProt Entry Name** | UBP30_HUMAN |
| **NCBI Protein Information** | ubiquitin carboxyl-terminal hydrolase 30; ub-specific protease 30; ubiquitin thioesterase 30; deubiquitinating enzyme 30; ubiquitin thiolesterase 30; ubiquitin specific protease 30; ubiquitin-specific protease 30; ubiquitin-specific-processing protease 30 |

| | |
|---|---|
| **UniProt Comments for USP30** | USP30: May participate in the maintenance of mitochondrial morphology. Belongs to the peptidase C19 family.<br><br>Protein type: Membrane protein, integral; EC 3.4.19.12; Protease; Ubiquitin-specific protease<br><br>Chromosomal Location of Human Ortholog: 12q24.11<br><br>Cellular Component: mitochondrial outer membrane; mitochondrion; integral to membrane<br><br>Molecular Function: cysteine-type endopeptidase activity; ubiquitin-specific protease activity<br><br>Biological Process: proteasomal ubiquitin-dependent protein catabolic process; protein deubiquitination; mitochondrial fusion; mitochondrion degradation |
| **Research Articles on USP30** | **1.** USP30 participates in the maintenance of mitochondrial morphology, a finding that provides new insight into the cellular function of deubiquitination. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/usp30/6361925