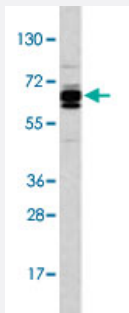


# USP21 polyclonal antibody

Catalog # PAB1834

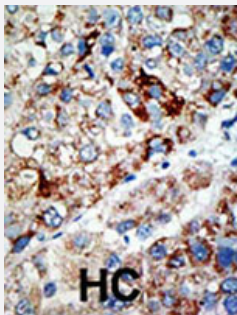
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate (35 ug/lane) with USP21 polyclonal antibody (Cat # PAB1834).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with USP21 polyclonal antibody (Cat # PAB1834), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of USP21.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human USP21.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — USP21

<b>Entrez GeneID</b>	<a href="#">27005</a>
<b>Protein Accession#</b>	<a href="#">NP_036607;Q9UK80</a>
<b>Gene Name</b>	USP21
<b>Gene Alias</b>	MGC3394, USP16, USP23
<b>Gene Description</b>	ubiquitin specific peptidase 21
<b>Omim ID</b>	<a href="#">604729</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	This gene encodes a member of the C19 peptidase family, also known as family 2 of ubiquitin carboxy-terminal hydrolases. The encoded protein cleaves ubiquitin from ubiquitinated proteins for recycling in intracellular protein degradation. The encoded protein is also able to release NEDD8, a ubiquitin-like protein, from NEDD8-conjugated proteins. This gene has been referred to as USP16 and USP23 but is now known as USP21. Alternatively spliced transcript variants have been described. [provided by RefSeq]

**Other Designations**

NEDD8-specific protease|deubiquitinating enzyme 21|ubiquitin carboxyl-terminal hydrolase 21|ubiquitin specific protease 21|ubiquitin thiolesterase 21|ubiquitin-specific processing protease 21|ubiquitin-specific protease 16|ubiquitin-specific protease 21

**Publication Reference**

- [Human and mouse proteases: a comparative genomic approach.](#)

Puente XS, Sanchez LM, Overall CM, Lopez-Otin C.

Nature Reviews. Genetics 2003 Jul; 4(7):544.

- [Identification of a novel isopeptidase with dual specificity for ubiquitin- and NEDD8-conjugated proteins.](#)

Gong L, Kamitani T, Millas S, Yeh ET.

The Journal of Biological Chemistry 2000 May; 275(19):14212.

- [Generation and analysis of 280,000 human expressed sequence tags.](#)

Hillier LD, Lennon G, Becker M, Bonaldo MF, Chiapelli B, Chisoe S, Dietrich N, DuBuque T, Favello A, Gish W, Hawkins M, Hultman M, Kucaba T, Lacy M, Le M, Le N, Mardis E, Moore B, Morris M, Parsons J, Prange C, Rifkin L, Rohlfing T, Schellenberg K, Bento Soares M, Tan F, Thierry-Meg J, Trevaskis E, Underwood K, Wohldman P, Waterston R, Wilson R, Marra M.

Genome Research 1996 Sep; 6(9):807.