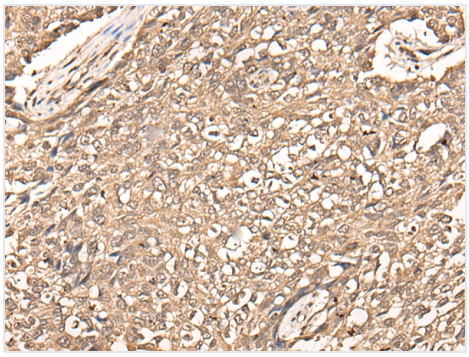
USP21 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USP21, Polyclonal Antibody
Full Product Name	USP21 Antibody
Product Gene Name	anti-USP21 antibody
Product Synonym Names	USP16; USP23
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	In pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Concentration	1.1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total USP21 protein.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	61,122 Da
OMIM	AF177758 mRNA
3D Structure	ModBase 3D Structure for Q9UK80
Immunogen	Synthetic protein corresponding to residues near the C terminal of human USP21
Immunogen Type	Peptide
Product Categories/Family for anti-USP21 antibody	Total protein Ab
Applications Tested/Suitable for anti-USP21 antibody	Immunohistochemistry (IHC)
Application Notes for anti-USP21 antibody	IHC: 1: 40-200
Related Product Information for anti-USP21 antibody	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 encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-USP21 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 USP21 purchase	MBS9429845 is an antibody targeting USP21. Also known as USP21 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-USP21 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 46698(USP21 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: x200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USP21. It may not necessarily be applicable to this product.

NCBI GI #	13111918
NCBI GeneID	27005
NCBI Accession #	BC003130
UniProt Primary Accession #	Q9UK80
UniProt Secondary Accession #	Q59H60; Q5BKT5; Q5VTW9; Q5VTX0; Q9BTV1; Q9HBS2; Q9NYN4
UniProt Related Accession #	Q9UK80
NCBI Official Full Name	Homo sapiens ubiquitin specific peptidase 21, mRNA
NCBI Official Synonym Full Names	ubiquitin specific peptidase 21
NCBI Official Symbol	USP21
NCBI Official Synonym Symbols	USP16; USP23
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 21
UniProt Synonym Protein Names	Deubiquitinating enzyme 21; Ubiquitin thioesterase 21; Ubiquitin-specific-processing protease 21
UniProt Gene Name	USP21
UniProt Synonym Gene Names	USP23
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 21
UniProt Comments for USP21	Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A releaves the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation. Regulates gene expression via histone H2A deubiquitination (). Also capable of removing NEDD8 from NEDD8 conjugates but has no effect on Sentrin-1 conjugates (PubMed:10799498). Deubiquitinates BAZ2A/TIP5 leading to its stabilization (PubMed:26100909).
Research Articles on USP21	**1.** Data show that ubiquitin variants (Ubvs) that bind to USP2 or USP21 contain a similar core functional epitope, or "hot spot," consisting mainly of positions that are conserved as the wild type sequence, but also some positions that prefer mutant sequences.
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