

Usp21 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13648**Specification****Usp21 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	O9OZL6
Other Accession	NM_013919 , NP_038947
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62kDa kDa

Usp21 Antibody - N-terminal region - Additional Information**Gene ID** 30941**Alias Symbol** ESTM28, Usp16, Usp23, W53272**Other Names**

Ubiquitin carboxyl-terminal hydrolase 21, 3.4.19.12, Deubiquitinating enzyme 21, Ubiquitin thioesterase 21, Ubiquitin-specific-processing protease 21, Usp21, Usp23

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Usp21 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Usp21 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Usp21 Antibody - N-terminal region - Protein Information**Name** Usp21 {ECO:0000303|PubMed:18172164, ECO:0000312|MGI:MGI:1353665}**Function**

Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator (PubMed:18172164). Deubiquitination of histone H2A releases the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation (PubMed:18172164). Regulates gene expression via histone H2A deubiquitination (PubMed:18172164).

<http://www.uniprot.org/citations/18172164>). Deubiquitinates BAZ2A/TIP5 leading to its stabilization (By similarity). Also capable of removing NEDD8 from NEDD8 conjugates but has no effect on Sentrin-1 conjugates (By similarity). Also acts as a negative regulator of the ribosome quality control (RQC) by mediating deubiquitination of 40S ribosomal proteins RPS10/eS10 and RPS20/uS10, thereby antagonizing ZNF598-mediated 40S ubiquitination (By similarity).

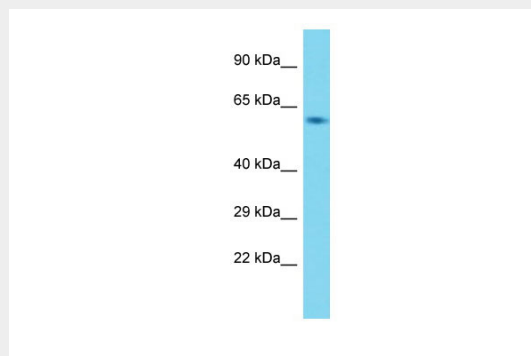
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9UK80}. Nucleus {ECO:0000250|UniProtKB:Q9UK80}

Usp21 Antibody - N-terminal region - 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](#)

Usp21 Antibody - N-terminal region - Images

Host: Rabbit
Target Name: Usp21
Sample Tissue: Mouse Brain lysates
Antibody Dilution: 1.0µg/ml

Usp21 Antibody - N-terminal region - References

Smith T.S., et al. Biochim. Biophys. Acta 1490:184-188(2000).
Carninci P., et al. Science 309:1559-1563(2005).
Nakagawa T., et al. Genes Dev. 22:37-49(2008).