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Usp21 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13648

Product Information

Application	WB
Primary Accession	Q9QZL6
Other Accession	NM_013919, NP_038947
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62673

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.

Protein Information

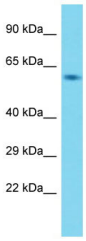
Name	Usp21 {ECO:0000303|PubMed:18172164, ECO:0000312|MGI:MGI:1353665}
Function	Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator (PubMed:18172164). Deubiquitination of histone H2A releaves the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation (PubMed:18172164). Regulates gene expression via histone H2A deubiquitination (PubMed:18172164). 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}

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.