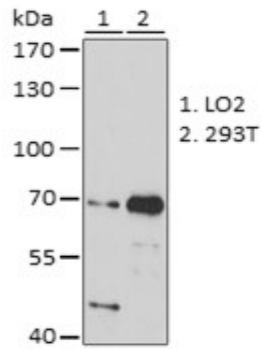


**Product Name:** USP21 Rabbit pAb  
**Catalog #:** Y9602-20; Y9602-100  
**Also Known As:** USP21; USP16; USP23  
**Quantity:** 20 µl for Y9602-20; 100 µl for Y9602-100  
**Concentration:** See labels on tube  
**Host Species:** Rabbit  
**Isotype:** IgG  
**Reactivity:** Human, Mouse  
**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 400-500 of human USP21 (NP\_001014443.1).  
**Swiss Prot. #:** Q9UK80  
**Calculated MW:** 62 kDa  
**Detected MW:** 62 kDa  
**Applications:** WB (1:500 - 1:2,000)  
IP (not tested)  
IHC (not tested)  
IF (not tested)  
Note: Antibody dilution should be optimized by users.

**Images:**



Immunoblotting 25 µg whole cell extracts of various cell lines using USP21 antibody (Y9602) at 1:1,000 dilution.

**Purification:** Protein A or G affinity purification  
**Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3  
**Storage:** Store at -20°C. Centrifuge to maximize product recovery.  
**Background:** USP21 is a member of the USP subfamily of DUBs. DUBs are categorized into 5 subfamilies: USP, UCH, OTU, MJD, and JAMM. USP21 deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A releases the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation.  
**Reference:** 1. Smith TS and Southan C, (2000) Biochim Biophys Acta 1490, 184 - 188.  
2. Nakagawa T, et al. (2008) Genes Dev 22, 37 - 49.  
**Note:** This product is for research use only.

