

For Research Use Only

USP1 Recombinant antibody, PBS Only

Catalog Number: 86453-1-PBS



Basic Information

Catalog Number:	86453-1-PBS	GenBank Accession Number:	BC050525	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GeneID (NCBI):	7398	CloneNo.:	251219E10
Source:	Rabbit	UNIPROT ID:	O94782		
Isotype:	IgG	Full Name:	ubiquitin specific peptidase 1		
Immunogen Catalog Number:	AG5686	Calculated MW:	88 kDa		
		Observed MW:	110 kDa, 100 kDa		

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

USP1 (Ubiquitin carboxyl-terminal hydrolase 1) is a negative regulator of DNA damage repair which specifically deubiquitinates monoubiquitinated FANCD2. It is also involved in PCNA-mediated translesion synthesis (TLS) by deubiquitinating monoubiquitinated PCNA. This protein, which consists of 785 amino acids with a deduced molecular mass of 88.2 kDa, possesses His and Cys domains that are highly conserved in all members of the ubiquitin-specific processing (UBP) family of proteases (PMID: 9806842). The USP1 enzyme can undergo autocleavage, resulting in a 100 kDa N-terminal fragment and a 14 kDa C-terminal fragment (PMID: 18082604).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

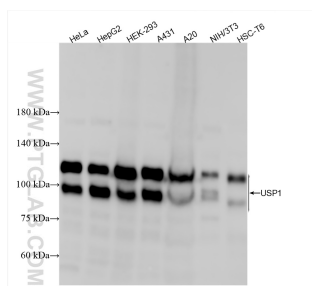
T: 4006900926

E: Proteintech-CN@ptglab.com

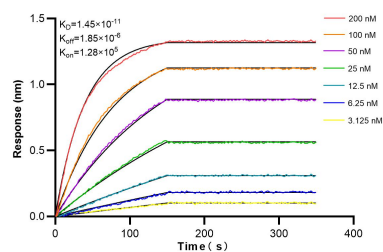
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86453-1-RR (USP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86453-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86453-1-RR against Human USP1 were performed. The affinity constant is 14.5 pM.