

For Research Use Only

# USP28 Monoclonal antibody, PBS Only

Catalog Number: 67814-1-PBS



## Basic Information

<b>Catalog Number:</b> 67814-1-PBS	<b>GenBank Accession Number:</b> BC065928	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57646	<b>CloneNo.:</b> 1E3D1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96RU2	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> ubiquitin specific peptidase 28	
<b>Immunogen Catalog Number:</b> AG11805	<b>Calculated MW:</b> 583aa,66 kDa; 1077aa,120 kDa	
	<b>Observed MW:</b> 135 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

USP28 (Ubiquitin carboxyl-terminal hydrolase 28) is also named as KIAA1515. USP28 is a 53BP1-interacting protein and a putative deubiquitinating enzyme, and belongs to a family of enzymes, called deubiquitinating enzymes (DUBs), which remove ubiquitin from the ubiquitin conjugates(PMID:16901786). It can be phosphorylated upon DNA damage at Ser-67 and Ser-714, by ATM or ATR(PMID:16901786). This protein has some isoforms produced by alternative splicing with the molecular mass of 122 kDa, 119 kDa and 66 kDa, and can be detected as 130-140 kDa (PMID: 16901786).

## Storage

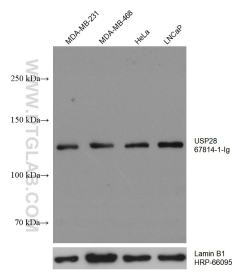
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

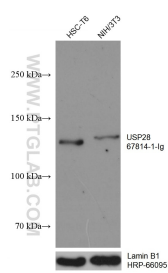
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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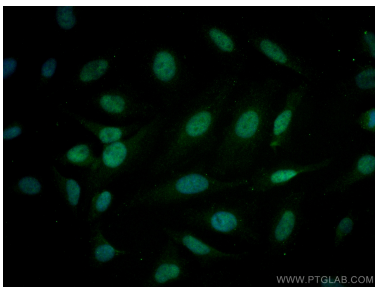
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67814-1-Ig (USP28 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 67814-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (4% PFA) fixed HeLa cells using USP28 antibody (67814-1-Ig, Clone: 1E3D1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67814-1-PBS in a different storage buffer formulation.