

For Research Use Only

# HUS1 Monoclonal antibody, PBS Only



Catalog Number: 67168-1-PBS

## Basic Information

<b>Catalog Number:</b> 67168-1-PBS	<b>GenBank Accession Number:</b> BC007013	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3364	<b>CloneNo.:</b> 1E8E9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O60921	
<b>Isotype:</b> IgG1	<b>Full Name:</b> HUS1 checkpoint homolog (S. pombe)	
<b>Immunogen Catalog Number:</b> AG28527	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

Hus1 belongs to the Rad family, form a heterotrimeric clamp with Rad1 and Rad9 that acts as a putative sensor for DNA damage. This complex plays an apical role in the DNA damage response, loss of a functional complex affects many downstream checkpoint pathways [PMID: 11340080]. It is also a key complex involved in the activation of the ATR pathway. 9-1-1 forms a ring-shaped heterotrimer, resembling the homotrimeric sliding clamp, proliferating cell nuclear antigen (PCNA) [PMID: 19535328].

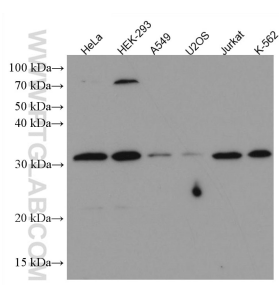
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

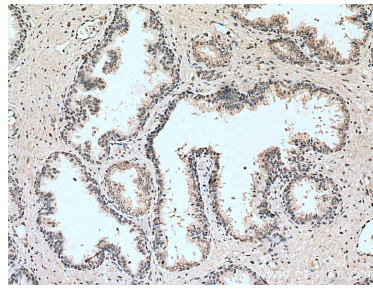
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67168-1-Ig (HUS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67168-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67168-1-Ig (HUS1 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67168-1-PBS in a different storage buffer formulation.