

For Research Use Only

# IK Polyclonal antibody, PBS Only

Catalog Number: 31833-1-PBS



## Basic Information

<b>Catalog Number:</b> 31833-1-PBS	<b>GenBank Accession Number:</b> BC013005	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3550	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13123	
<b>Isotype:</b> IgG	<b>Full Name:</b> IK cytokine, down-regulator of HLA II	
<b>Immunogen Catalog Number:</b> AG37095	<b>Calculated MW:</b> 557 aa, 66 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

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

**Species Specificity:**  
human

## Background Information

IK, also known as the nuclear protein RED, is a down-regulator of human leukocyte antigen (HLA) II and interacts with the human SAC protein MAD1, which is required for the localization of the kinetochore of MAD1, for the progression of mitosis and for the activation of the SAC. IK is therefore an important protein for the correct progression of mitosis through the regulation of mitotic kinases and phosphatases. In addition, IK may be involved in pre-mRNA splicing, which may be a useful biomarker for new nuclear structures in cells.

## 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

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

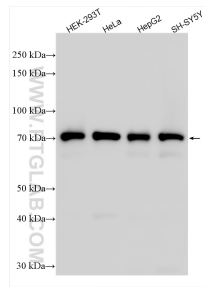
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

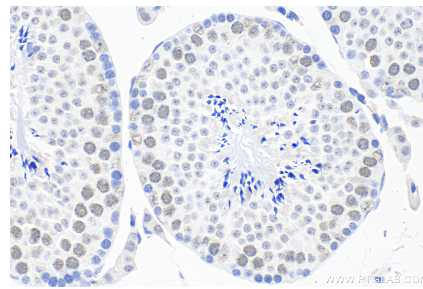
W: [ptgcn.com](http://ptgcn.com)

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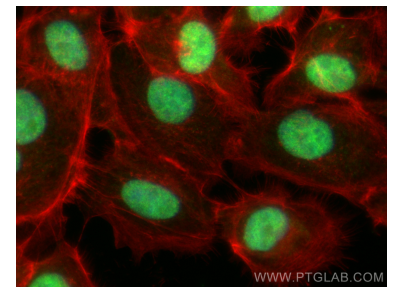
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31833-1-AP (IK antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31833-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 31833-1-AP (IK antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31833-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using IK antibody (31833-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 31833-1-PBS in a different storage buffer formulation.