

For Research Use Only

IK Polyclonal antibody

Catalog Number: 31833-1-AP



Basic Information

Catalog Number: 31833-1-AP	GenBank Accession Number: BC013005	Purification Method: Antigen affinity Purification
Size: 550 ug/ml	GeneID (NCBI): 3550	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1500-1:6000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q13123	
Isotype: IgG	Full Name: IK cytokine, down-regulator of HLA II	
Immunogen Catalog Number: AG37095	Calculated MW: 557 aa, 66 kDa	
	Observed MW: 70 kDa	

Applications

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

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293T cells, HeLa cells, HepG2 cells, SH-SY5Y cells

IHC: mouse testis tissue,

IF/ICC: A431 cells,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

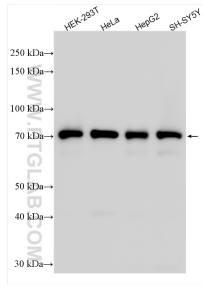
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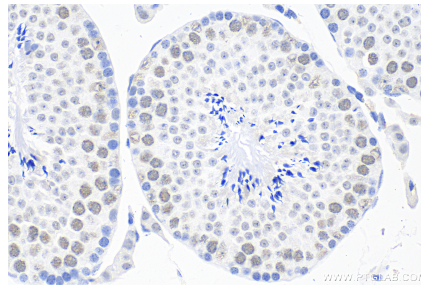
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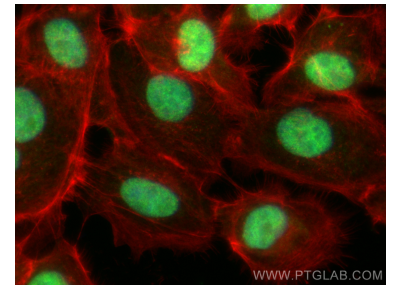
Selected Validation Data



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.



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).



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).