

For Research Use Only

# DDR GK1 Recombinant monoclonal antibody

Catalog Number: 86667-2-RR



## Basic Information

<b>Catalog Number:</b> 86667-2-RR	<b>GenBank Accession Number:</b> BC000643	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 65992	<b>CloneNo.:</b> 251582G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96HY6	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> DDR GK domain containing 1	
<b>Immunogen Catalog Number:</b> AG13742	<b>Calculated MW:</b> 314 aa, 36 kDa	
	<b>Observed MW:</b> 36-46 kDa	

## Applications

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

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

### Positive Controls:

**WB :** HepG2 cells, mouse liver tissue, PC-3 cells, rat liver tissue, mouse lung tissue, rat lung tissue

**IF/ICC :** HepG2 cells,

## Background Information

DDR GK1, also name as C20orf116, is a member of the DDR GK domain-containing protein family with unknown function. Depletion of DDR GK1 inhibits cell proliferation and invasion. Expression of NF-κB target genes showed the most significant decrease after depleting of DDR GK1, suggesting that DDR GK1 may play an important role in the NF-κB signaling pathway. DDR GK1 interacts with IκBα and regulates its stability, thereby regulates the NF-κB transcriptional activity. DDR GK1 acts as an important regulator of the NF-κB pathway. (PMID: 23675531)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

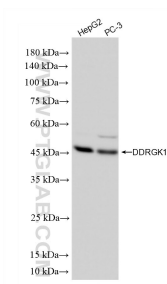
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

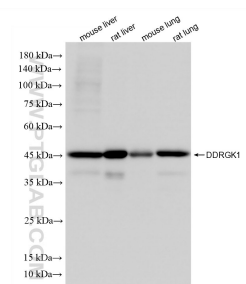
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W: ptglab.com

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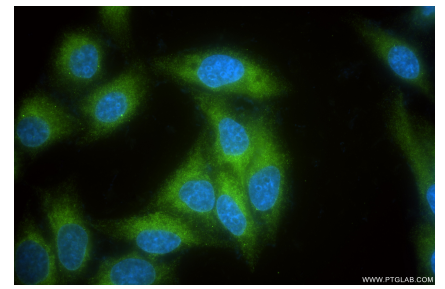
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86667-2-RR (DDRGK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DDRGK1 antibody (86667-2-RR, Clone: 251582G2) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).