

For Research Use Only

# RFK Polyclonal antibody

Catalog Number: 15813-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 15813-1-AP	<b>GenBank Accession Number:</b> BC007069	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 55312	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q969G6	
<b>Isotype:</b> IgG	<b>Full Name:</b> riboflavin kinase	
<b>Immunogen Catalog Number:</b> AG8591	<b>Calculated MW:</b> 162 aa, 18 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells IF : HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

Riboflavin kinase (RFK) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (PMID:12623014). RFK is rate-limiting in the synthesis of FAD, an essential prosthetic group of NADPH oxidase.

## Notable Publications

Author	Pubmed ID	Journal	Application
Michail S Kukharsky	32467583	Transl Psychiatry	WB
Mengran Zhang	36799538	Adv Sci (Weinh)	WB
Schramm Michael M	24272050	Eur J Immunol	WB

## 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:

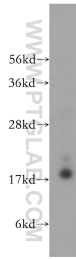
T: 4006900926

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

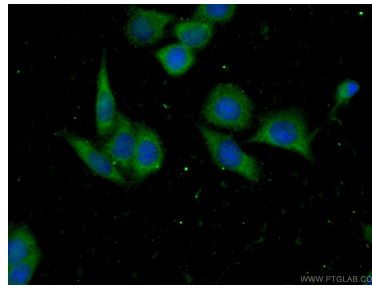
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15813-1-AP (RFK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15813-1-AP (RFK antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).