

For Research Use Only

# FN3KRP Polyclonal antibody

Catalog Number: 16312-1-AP



## Basic Information

<b>Catalog Number:</b> 16312-1-AP	<b>GenBank Accession Number:</b> BC014408	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 240 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79672	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF/ICC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HA64	
<b>Isotype:</b> IgG	<b>Full Name:</b> fructosamine 3 kinase related protein	
<b>Immunogen Catalog Number:</b> AG9347	<b>Calculated MW:</b> 309 aa, 34 kDa	
	<b>Observed MW:</b> 30-34 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HEK-293 cells, mouse kidney tissue, rat kidney tissue <b>IF/ICC :</b> HeLa cells,

## Background Information

Fn3KRP (Fn3K-related protein) are believed to be the first examples of deglycating enzymes acting on the Amadori product to reverse the early stages of the Maillard reaction in vivo in higher organisms (PMID: 17337043). Fn3KRP possesses an ATP-binding domain that is structurally related to that of both the aminoglycoside kinases and eukaryotic protein kinases. Fn3KRP possesses an intrinsic activity towards ketosamine substrates (PMID: 18637789). Catalog#16312-1-AP is a rabbit polyclonal antibody raised against the full-length of human FN3KRP. The MW of this protein is 34 kDa, and this antibody specially recognises the 34 kDa protein.

## Storage

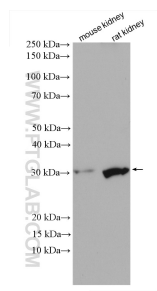
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

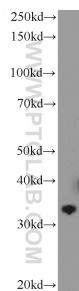
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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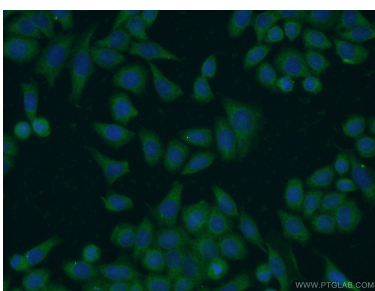
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16312-1-AP (FN3KRP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16312-1-AP (FN3KRP Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 16312-1-AP (FN3KRP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).