

For Research Use Only

# IKBKG Polyclonal antibody

Catalog Number: 18474-1-AP

Featured Product

28 Publications



## Basic Information

**Catalog Number:**

18474-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13358

**GenBank Accession Number:**

BC012114

**GeneID (NCBI):**

8517

**UNIPROT ID:**

Q9Y6K9

**Full Name:**

inhibitor of kappa light polypeptide  
gene enhancer in B-cells, kinase  
gamma

**Calculated MW:**

48 kDa

**Observed MW:**

48 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

**WB:** Jurkat cells, mouse brain tissue

**IHC:** human kidney tissue,

**IF:** HeLa cells, mouse embryo tissue

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

## Background Information

IKBKG, also named as FIP3, NEMO, IKKAP1 and IKKG, is specifically phosphorylate serine or threonine residues that are followed by a proline residue. IKBKG is regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. IKBKG is a predominant 48-kD protein and an N-terminally truncated protein of 45 kDa produced in smaller amounts and translated from methionine-38.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Bai	36225557	Front Pharmacol	WB
Zhaoxin Zhang	33255656	Molecules	WB,IP
Stefanie Inglis	30403537	FASEB J	WB,IF

## 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:

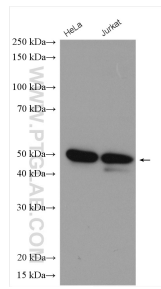
T: 4006900926

E: Proteintech-CN@ptglab.com

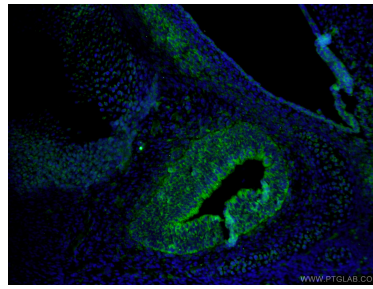
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

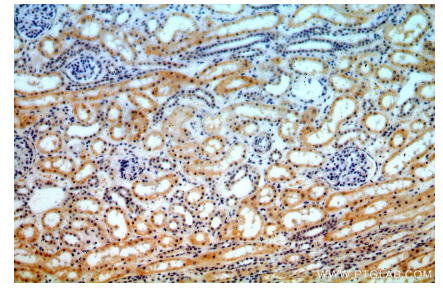
## Selected Validation Data



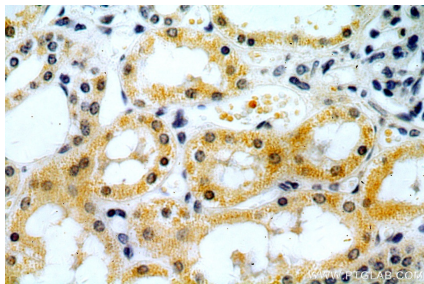
Various lysates were subjected to SDS PAGE followed by western blot with 18474-1-AP (IKBKG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



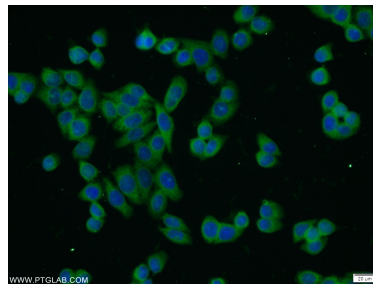
Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 18474-1-AP (IKBKG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney using 18474-1-AP (IKBKG antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 18474-1-AP (IKBKG antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 18474-1-AP (IKBKG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).