

For Research Use Only

IKBKKG Polyclonal antibody

Catalog Number: 18474-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

18474-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

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-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: Jurkat cells, mouse brain tissue

IHC: human kidney tissue, human lung tissue, mouse brain tissue, mouse lung tissue, rat liver tissue

IF-P: mouse embryo tissue,

IF/ICC: HeLa cells,

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

IKBKKG, 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

*** 20ul sizes contain 0.1% BSA

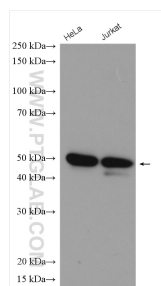
For technical support and original validation data for this product please contact:

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

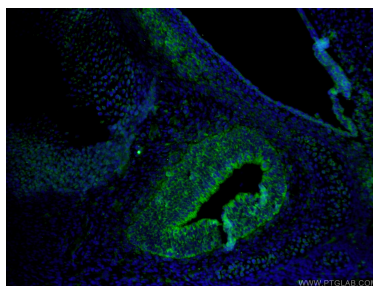
E: proteintech@ptglab.com
W: ptglab.com

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

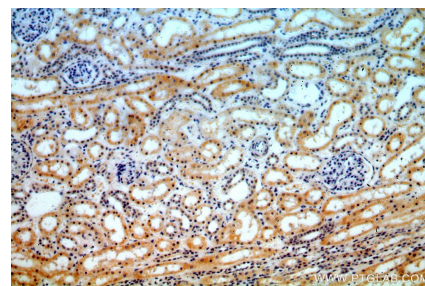
Selected Validation Data



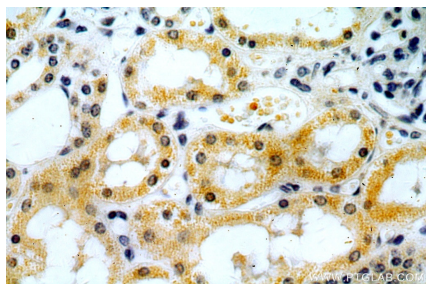
Various lysates were subjected to SDS PAGE followed by western blot with 18474-1-AP (IKBKG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



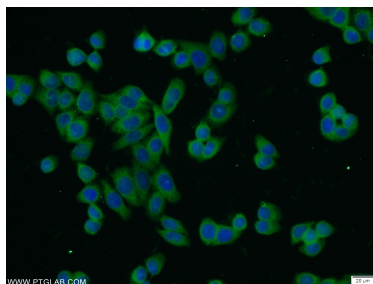
Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 18474-1-AP (IKBKG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



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 Goat Anti-Rabbit IgG(H+L).