For Research Use Only

IKBKG Polyclonal antibody

Catalog Number:18474-1-AP Featured Product 32 Publications

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Basic Information

Catalog Number:
18474-1-AP

Concentration:
350 ug/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: 1:250-1:1000
IF/ICC: 1:200-1:800

Applications

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

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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

Positive Controls:

WB : Jurkat cells, mouse brain tissue

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

IF/ICC : K-562 cells,

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

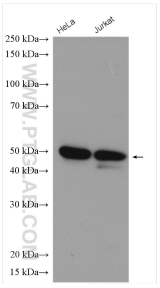
Author	Pubmed ID	Journal	Application
Lu Bai	36225557	Front Pharmacol	WB
Zhaoxin Zhang	33255656	Molecules	WB,IP
Stefanie Inglis	30403537	FASEB J	WB,IF

Storage

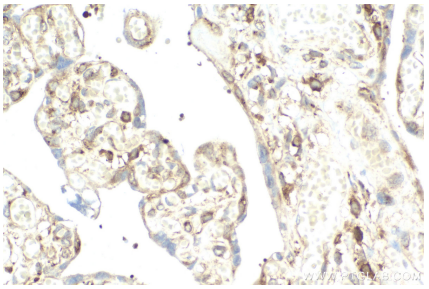
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

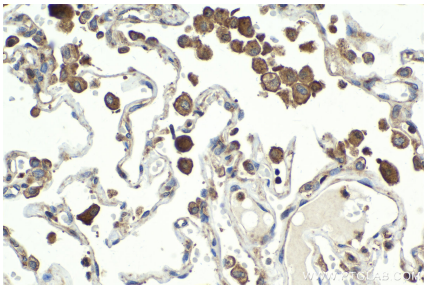
Selected Validation Data



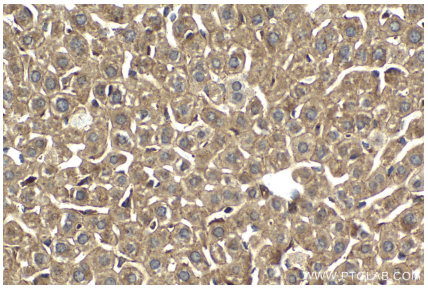
Various lysates were subjected to SDS PAGE followed by western blot with 18474-1-AP (IKBKG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



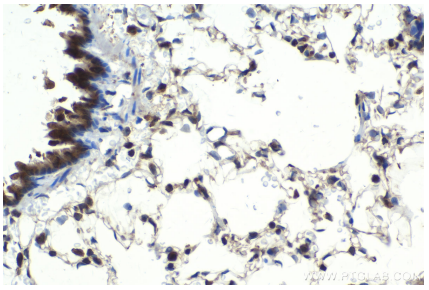
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 18474-1-AP (IKBKG antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 18474-1-AP (IKBKG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

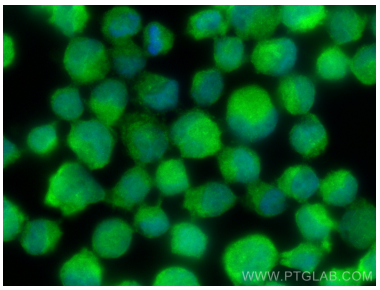


Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 18474-1-AP (IKBKG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 18474-1-AP (IKBKG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

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).



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using IKBKG antibody (18474-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).