

For Research Use Only

# IKBKG Monoclonal antibody

Catalog Number: 66460-1-Ig 1 Publications



## Basic Information

<b>Catalog Number:</b> 66460-1-Ig	<b>GenBank Accession Number:</b> BC012114	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1400 µg/ml	<b>GeneID (NCBI):</b> 8517	<b>CloneNo.:</b> 1F2E2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y6K9	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600
<b>Isotype:</b> IgG1	<b>Full Name:</b> inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	
<b>Immunogen Catalog Number:</b> AG13358	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells IHC : human breast cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jinfu Sun	37714433	Virology	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:

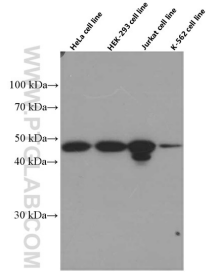
T: 4006900926

E: Proteintech-CN@ptglab.com

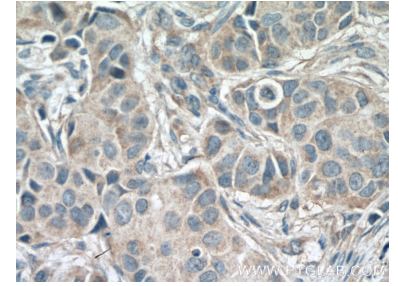
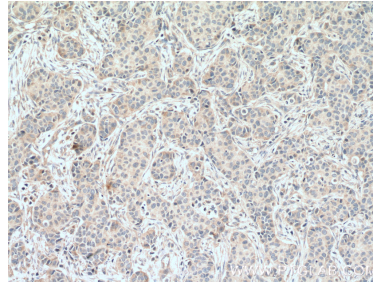
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66460-1-Ig (IKBKG antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66460-1-Ig (IKBKG antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).