IKBKG Antibody

Catalog No: #32092

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	IKBKG Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total IKBKG protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IKBKG.
Target Name	IKBKG
Other Names	IKBKG; AMCBX1; FIP-3; FIP3; Fip3p
Accession No.	Swiss-Prot:Q9Y6K9NCBI Gene ID:8517
SDS-PAGE MW	48KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

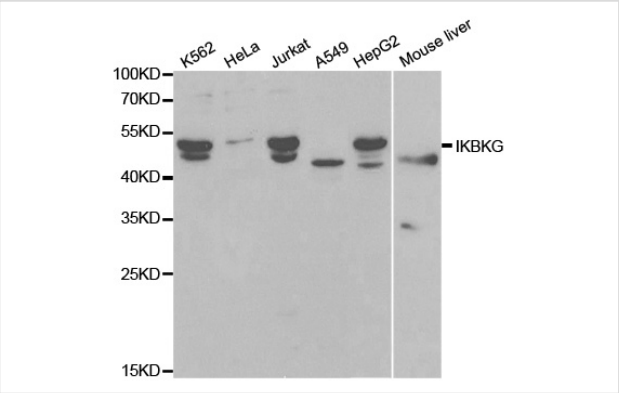
Application Details

Western blotting: 1:500 - 1:2000

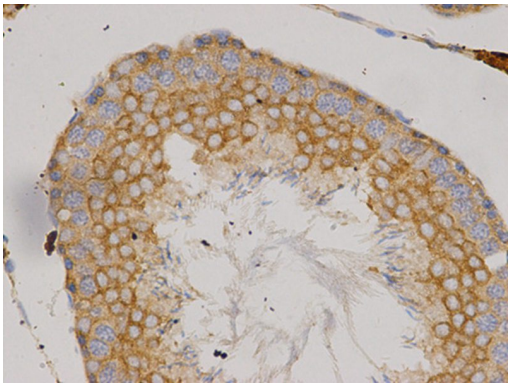
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

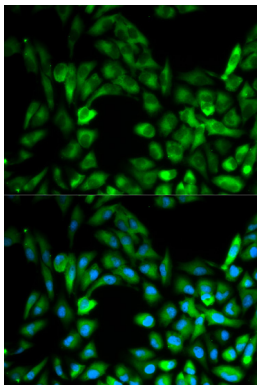
Images



Western blot analysis of extracts of various cell lines, using IKBKG antibody.



Immunohistochemical analysis of paraffin-embedded rat testis using IKBKG antibody at dilution of 1:500 (400x lens).



Immunofluorescence analysis of MCF7 cell using IKBKG antibody. Blue: DAPI for nuclear staining.

Background

The NF-κB/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IκB proteins (1-3). Most agents that activate NF-κB do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of IκB (3-7). The key regulatory step in this pathway involves activation of a high molecular weight IκB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKKα and IKKβ serve as the catalytic subunits of the kinase and IKKγ serves as the regulatory subunit (8,9). Activation of IKK depends upon phosphorylation of Ser177 and Ser181 in the activation loop of IKKβ (Ser176 and Ser180 in IKKα), which causes conformational changes resulting in kinase activation (10-13).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.