

Product Name: IKK gamma (2B3) Rabbit Monoclonal Antibody
Catalog #: AMRe12475



Summary

Production Name	IKK gamma (2B3) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	IKBKG
Alternative Names	AMCBX1; FIP3; Fip3p; Ikbkg; IKK-gamma; IKKAP1; IKKG; IMD33; IP1; IP2; IPD2; NEMO; NF kappa B essential modifier;
Gene ID	8517.0
SwissProt ID	Q9Y6K9.Recombinant protein of human IKK gamma

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	48kDa

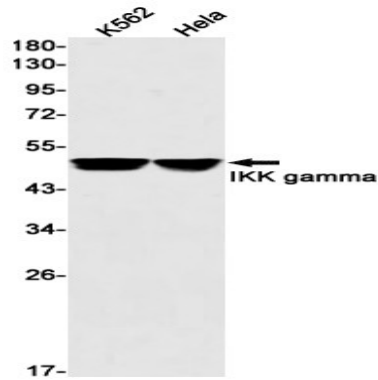
Background

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I κ B proteins. Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B. Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF- κ B thus leading to the dissociation of the inhibitor/NF- κ B complex and ultimately the degradation of the inhibitor (PubMed: [9751060](http://www.uniprot.org/citations/9751060), PubMed: [14695475](http://www.uniprot.org/citations/14695475), PubMed: [20724660](http://www.uniprot.org/citations/20724660)). Its binding to scaffolding polyubiquitin plays a key role in IKK activation by multiple signaling receptor pathways (PubMed: [16547522](http://www.uniprot.org/citations/16547522), PubMed: [18287044](http://www.uniprot.org/citations/18287044), PubMed: [19033441](http://www.uniprot.org/citations/19033441), PubMed: [21606507](http://www.uniprot.org/citations/21606507), PubMed: [27777308](http://www.uniprot.org/citations/27777308), PubMed: [19185524](http://www.uniprot.org/citations/19185524), PubMed: [33567255](http://www.uniprot.org/citations/33567255)). Can recognize and bind both 'Lys-63'-linked and linear polyubiquitin upon cell stimulation, with a much higher affinity for linear polyubiquitin (PubMed: [16547522](http://www.uniprot.org/citations/16547522), PubMed: [18287044](http://www.uniprot.org/citations/18287044), PubMed: [27777308](http://www.uniprot.org/citations/27777308), PubMed: [19033441](http://www.uniprot.org/citations/19033441), PubMed: [21606507](http://www.uniprot.org/citations/21606507), PubMed: [19185524](http://www.uniprot.org/citations/19185524)). Could be implicated in NF- κ B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3 (PubMed: [19854139](http://www.uniprot.org/citations/19854139)). Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination (PubMed: [20724660](http://www.uniprot.org/citations/20724660)).

Research Area

Image Data

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Western blot detection of IKK gamma in K562,HeLa cell lysates using IKK gamma antibody(1:1000 diluted).

Note

For research use only.