

IKK gamma Rabbit mAb
Catalog # AP75609**Specification****IKK gamma Rabbit mAb - Product Information**

Application	WB, IP, ICC
Primary Accession	Q9Y6K9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	48198

IKK gamma Rabbit mAb - Additional Information

Gene ID 8517

Other Names
IKBKG**Dilution**
WB~~1/500-1/1000
IP~~1/20
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**IKK gamma Rabbit mAb - Protein Information**Name IKBKG ([HGNC:5961](#))**Synonyms** FIP3, NEMO**Function**

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 (PubMed: [14695475](http://www.uniprot.org/citations/14695475), PubMed: [20724660](http://www.uniprot.org/citations/20724660), PubMed: [21518757](http://www.uniprot.org/citations/21518757), PubMed: [9751060](http://www.uniprot.org/citations/9751060)). 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: [19033441](#)).

[19185524](http://www.uniprot.org/citations/19185524), PubMed:[21606507](http://www.uniprot.org/citations/21606507), PubMed:[27777308](http://www.uniprot.org/citations/27777308), 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:[19033441](http://www.uniprot.org/citations/19033441), PubMed:[19185524](http://www.uniprot.org/citations/19185524), PubMed:[21606507](http://www.uniprot.org/citations/21606507), PubMed:[27777308](http://www.uniprot.org/citations/27777308)). Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3 (PubMed:[19854139](http://www.uniprot.org/citations/19854139), 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), PubMed:[20724660](http://www.uniprot.org/citations/20724660)).

Cellular Location

Cytoplasm. Nucleus Note=Sumoylated NEMO accumulates in the nucleus in response to genotoxic stress.

Tissue Location

Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

IKK gamma Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IKK gamma Rabbit mAb - Images



