

Anti-IKK Gamma Antibody
Catalog # ABO10868**Specification**

Anti-IKK Gamma Antibody - Product Information

Application	WB
Primary Accession	O88522
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for NF-kappa-B essential modulator(IKBKG) detection. Tested with WB in Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IKK Gamma Antibody - Additional Information

Gene ID 16151

Other Names

NF-kappa-B essential modulator, NEMO, Ikb kinase-associated protein 1, IKKAP1, mFIP-3, Inhibitor of nuclear factor kappa-B kinase subunit gamma, I-kappa-B kinase subunit gamma, IKK-gamma, IKKG, Ikb kinase subunit gamma, NF-kappa-B essential modifier, Ikbkg, Nemo

Calculated MW

47972 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization

Cytoplasm . Nucleus .

Protein Name

NF-kappa-B essential modulator(NEMO)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of mouse IKK gamma(1-15aa MNKHPWKNQLSEMVQ), different from the relative rat sequence by three amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-IKK Gamma Antibody - Protein Information

Name Ikbkg

Synonyms 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: [9927690](http://www.uniprot.org/citations/9927690)). Its binding to scaffolding polyubiquitin plays a key role in IKK activation by multiple signaling receptor pathways. Can recognize and bind both 'Lys- 63'-linked and linear polyubiquitin upon cell stimulation, with a much higher affinity for linear polyubiquitin. Could be implicated in NF- kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3. Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination (By similarity).

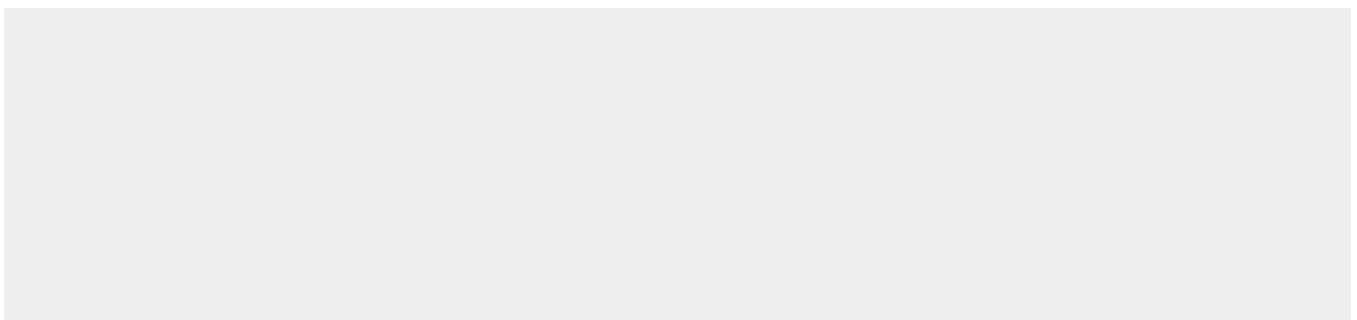
Cellular Location

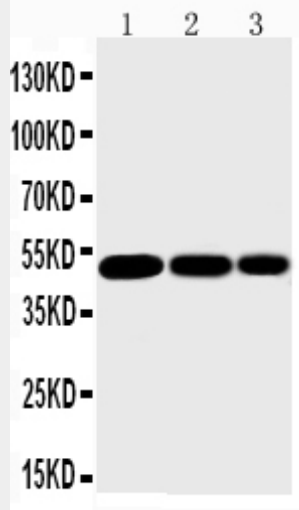
Cytoplasm {ECO:0000250|UniProtKB:Q9Y6K9}. Nucleus {ECO:0000250|UniProtKB:Q9Y6K9}. Note=Sumoylated NEMO accumulates in the nucleus in response to genotoxic stress {ECO:0000250|UniProtKB:Q9Y6K9}

Anti-IKK Gamma Antibody - 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](#)

Anti-IKK Gamma Antibody - Images



Anti-IKK gamma antibody, ABO10868, Western blotting
Lane 1: Mouse Liver Tissue Lysate
Lane 2: Mouse Brain Tissue Lysate
Lane 3: Mouse Ovary Tissue Lysate

Anti-IKK Gamma Antibody - Background

NF-kappa-B essential modulator (NEMO), also known as inhibitor of nuclear factor kappa-B kinase subunit gamma (IKK- γ), is a protein that in humans is encoded by the IKBKG gene. This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which activates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell survival, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectodermal dysplasia, and several other types of immunodeficiencies. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome.