



Catalog: OM281796

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# IKK gamma Antibody

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☐ 100ug

## Product profile

Product name	IKK gamma Antibody
Antibody Type	Primary Antibodies
Product description	IKK gamma Antibody: Nuclear factor kappa B (NF- $\kappa$ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF- $\kappa$ B mediates the expression of a great variety of genes in response to extracellular stimuli. NF- $\kappa$ B is associated with I $\kappa$ B proteins in the cell cytoplasm, which inhibit NF- $\kappa$ B activity. The I $\kappa$ B kinase (IKK $\alpha$ and IKK $\beta$ ) phosphorylates I $\kappa$ B and mediates NF- $\kappa$ B activation. A novel molecule in the IKK complex was recently identified and termed IKK $\gamma$ /NEMO/FIP3/IKKAP1. IKK $\gamma$ interacts with IKK $\beta$ and is required for the activation of IKK complex and NF- $\kappa$ B by LPS, PMA, TNF, and IL-1 stimulation. FIP3 was also shown to bind to RIP and NIK and to mediate TNF-induced NF- $\kappa$ B activation. <sup>1</sup> ) Rothwarf DM, Zandi E, Natoli G, Karin M. IKK- $\gamma$ is an essential regulatory subunit of the I $\kappa$ B kinase complex. Nature 1998;395(6699):297-300
Immunogen	IKK gamma antibody was raised against a 17 amino acid peptide near the carboxy terminus of human IKK gamma. The immunogen is located within the last 50 amino acids of IKK gamma.

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	ELISA ,ICC ,WB
Species Reactivity	Human Mouse Rat
Concentration	1 mg/ml
Purification	Affinity purified

## Target Information

Gene Symbol	IKBKG
Alternative Names	IKK gamma Antibody: IP, IP1, IP2, FIP3, IPD2, NEMO, FIP-3, Fip3p, AMCBX1, ZC2HC9, IKK-gamma, NF-kappa-B essential modulator

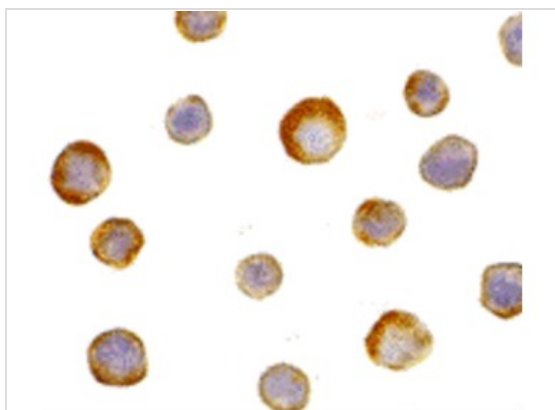
IKK gamma essential modulator

<b>Molecular Weight(MW)</b>	52 kDa
<b>Sequence Similarities</b>	2) Cat. No. 17-001 - HeLa Cell Slide
<b>Tissue Specificity</b>	IKK gamma has no cross response to IKK alpha or IKK beta.

## Database Links

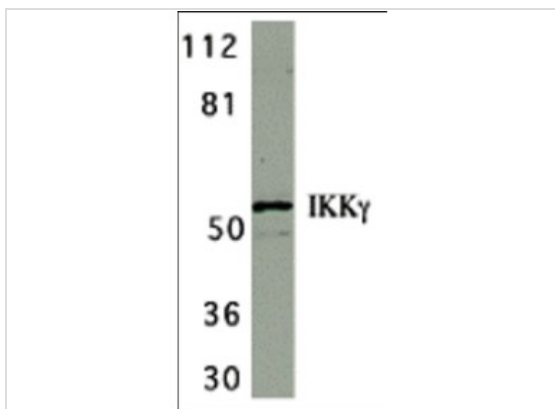
<b>Entrez Gene</b>	8517
<b>Protein Accession</b>	AF074382

## Application



### Application

Immunocytochemistry of IKK gamma in HeLa cells with IKK gamma antibody at 5 µg/mL.



### Application

Western blot analysis of IKK gamma in HeLa whole cell lysate with IKK gamma antibody at 1 µg/mL.

<b>Positive Control</b>	1) Cat. No. 1201 - HeLa Cell Lysate
<b>Application Notes</b>	<b>IKK gamma antibody can be used for detection of IKK gamma by Western blot at 1 µg/mL. A 52 kD a band should be detected. Antibody can also be used for immunocytochemistry starting at 5 µg/mL.</b>

## Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	IKK gamma antibody can be stored at 4 °C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
<b>Storage Buffer</b>	IKK gamma Antibody is supplied in PBS containing 0.02% sodium azide.

**Note**

The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

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