

## IKK $\gamma$ (phospho Ser31) Polyclonal Antibody Catalog # AP67570

### Specification

#### IKK $\gamma$ (phospho Ser31) Polyclonal Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">O9Y6K9</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

#### IKK $\gamma$ (phospho Ser31) Polyclonal Antibody - Additional Information

Gene ID 8517

#### Other Names

IKBKG; FIP3; NEMO; NF-kappa-B essential modulator; NEMO; FIP-3; I $\kappa$ B kinase-associated protein 1; IKKAP1; Inhibitor of nuclear factor kappa-B kinase subunit gamma; I-kappa-B kinase subunit gamma; IKK-gamma; IKKG; I $\kappa$ B kinase subunit gamma; NF

#### Dilution

WB~~Western Blot: 1/500 - 1/2000.  
Immunohistochemistry: 1/100 - 1/300.  
ELISA: 1/10000. Not yet tested in other applications.

#### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

#### Storage Conditions

-20°C

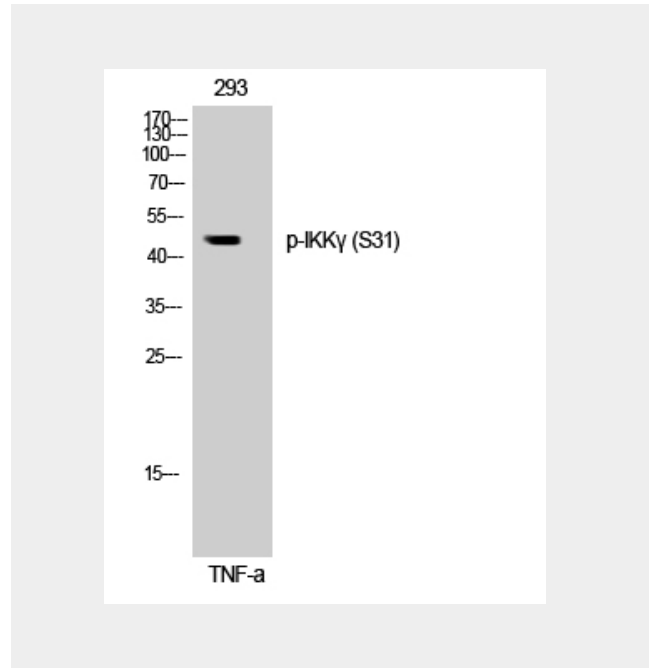
#### IKK $\gamma$ (phospho Ser31) Polyclonal Antibody - Protein Information

**Name** IKBKG

**Synonyms** FIP3, NEMO

#### Function

Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation



#### IKK $\gamma$ (phospho Ser31) Polyclonal Antibody - Background

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. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. However, the specific type of polyubiquitin recognized upon cell stimulation (either 'Lys-63'- linked or linear polyubiquitin) and its functional importance is reported conflictingly. Also considered to be a mediator for TAX activation of NF-kappa-B. 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.

of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor (PubMed:<a href="http://www.uniprot.org/citations/9751060" target="\_blank">9751060</a>, PubMed:<a href="http://www.uniprot.org/citations/14695475" target="\_blank">14695475</a>, PubMed:<a href="http://www.uniprot.org/citations/20724660" target="\_blank">20724660</a>). Its binding to scaffolding polyubiquitin plays a key role in IKK activation by multiple signaling receptor pathways (PubMed:<a href="http://www.uniprot.org/citations/16547522" target="\_blank">16547522</a>, PubMed:<a href="http://www.uniprot.org/citations/18287044" target="\_blank">18287044</a>, PubMed:<a href="http://www.uniprot.org/citations/19033441" target="\_blank">19033441</a>, PubMed:<a href="http://www.uniprot.org/citations/21606507" target="\_blank">21606507</a>, PubMed:<a href="http://www.uniprot.org/citations/27777308" target="\_blank">27777308</a>, PubMed:<a href="http://www.uniprot.org/citations/19185524" target="\_blank">19185524</a>). Can recognize and bind both 'Lys- 63'-linked and linear polyubiquitin upon cell stimulation, with a much higher affinity for linear polyubiquitin (PubMed:<a href="http://www.uniprot.org/citations/16547522" target="\_blank">16547522</a>, PubMed:<a href="http://www.uniprot.org/citations/18287044" target="\_blank">18287044</a>, PubMed:<a href="http://www.uniprot.org/citations/27777308" target="\_blank">27777308</a>, PubMed:<a href="http://www.uniprot.org/citations/19033441" target="\_blank">19033441</a>, PubMed:<a href="http://www.uniprot.org/citations/21606507" target="\_blank">21606507</a>, PubMed:<a href="http://www.uniprot.org/citations/19185524" target="\_blank">19185524</a>). Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3 (PubMed:<a href="http://www.uniprot.org/citations/19854139" target="\_blank">19854139</a>).

Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination (PubMed:<a href="http://www.uniprot.org/citations/20724660" target="\_blank">20724660</a>).

**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 $\gamma$  (phospho Ser31) Polyclonal 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](#)