

**IKK $\gamma$  Polyclonal Antibody**  
Catalog # AP74068**Specification****IKK $\gamma$  Polyclonal Antibody - Product Information**

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

**IKK $\gamma$  Polyclonal Antibody - Additional Information****Gene ID** 8517**Other Names**

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-kappa-B essential modifier)

**Dilution**

WB~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**IKK $\gamma$  Polyclonal Antibody - 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) target="\_blank">14695475</a>, PubMed:[20724660](http://www.uniprot.org/citations/20724660) target="\_blank">20724660</a>, PubMed:[21518757](http://www.uniprot.org/citations/21518757) target="\_blank">21518757</a>, PubMed:[9751060](http://www.uniprot.org/citations/9751060) target="\_blank">9751060</a>). 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) target="\_blank">16547522</a>, PubMed:[18287044](http://www.uniprot.org/citations/18287044) target="\_blank">18287044</a>, PubMed:[19033441](http://www.uniprot.org/citations/19033441) target="\_blank">19033441</a>, PubMed:[19185524](http://www.uniprot.org/citations/19185524) target="\_blank">19185524</a>, PubMed:</a>

<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/33567255" target="\_blank">33567255</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/19033441" target="\_blank">19033441</a>, PubMed:<a href="http://www.uniprot.org/citations/19185524" target="\_blank">19185524</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>). 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

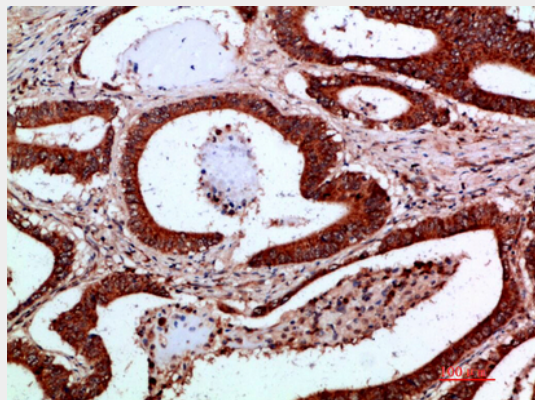
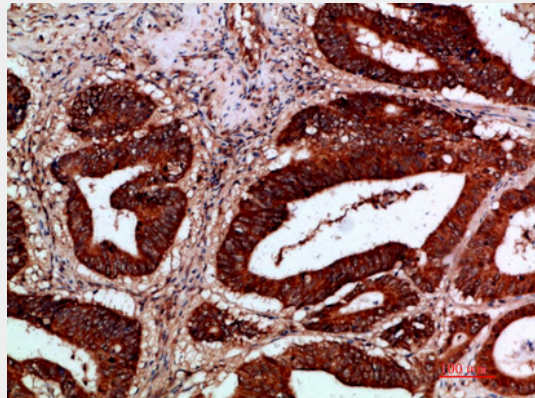
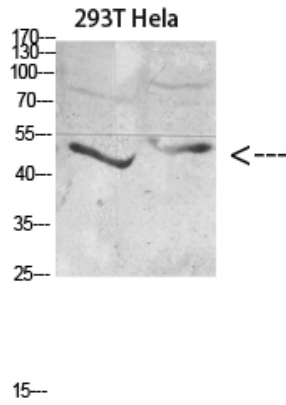
### IKKy Polyclonal Antibody - Protocols

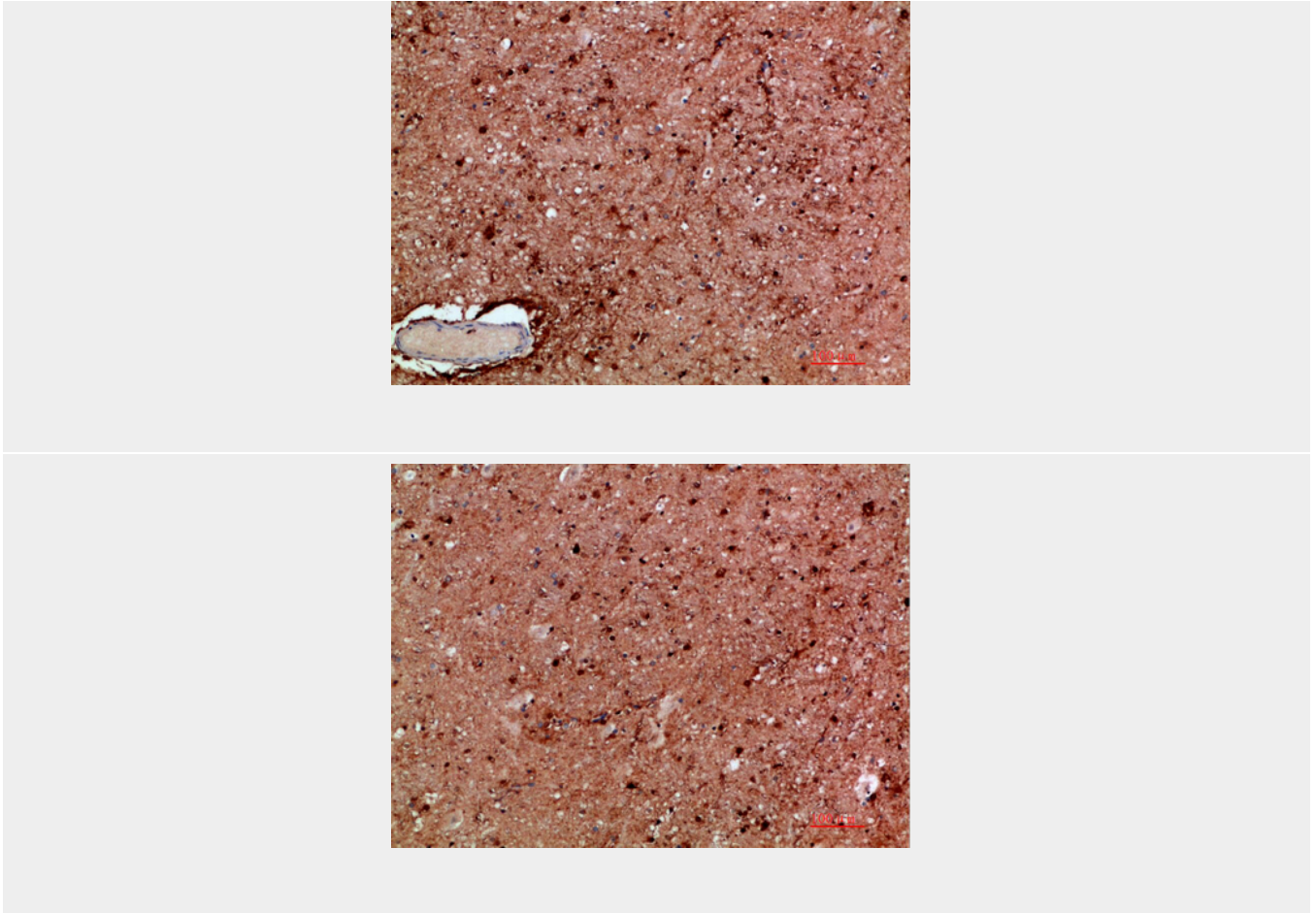
Provided below are standard protocols that you may find useful for product applications.

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

### IKKy Polyclonal Antibody - Images







### **IKK $\gamma$ 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.