Product Information

**Anti-IKKγ/NEMO, C-Terminal**
produced in rabbit, affinity isolated antibody

**Catalog Number** I5032

**Product Description**
Anti-IKKγ/NEMO, C-Terminal is produced in rabbit using as immunogen a synthetic peptide (CQYQAPDMDTLQIHVME) corresponding to amino acids 400-416 of human IKKγ1,2. The sequence is identical to that from mouse.2 The antibody is purified by immunoaffinity chromatography.

Anti-IKKγ/NEMO, C-Terminal recognizes human IKKγ (52 kDa) by immunoblotting. It reacts with human, mouse, and rat IKKγ/NEMO and shows no cross-reactivity to IKKα or IKKβ.

The transcription factor NF-κB is a mediator of gene expression during activation of immune and inflammatory responses. In the cell cytoplasm, NF-κB is associated with IxB proteins, which inhibit NF-κB activity. The IxB kinase complex (IKKα and IKKβ) phosphorylates IxB and mediates NF-κB activation.

A novel molecule in the IKK complex has been identified and termed IKKγ/NEMO (NF-κB essential modulator)/FIP3/IKKAP1.1-2 IKKγ interacts with IKKβ and is required for the activation of the IKK complex and NF-κB by LPS (lipopolysaccharide), PMA (phorbol myristate acetate), TNF (tumor necrosis factor), and IL-1 stimulation.1-4 IKKγ also binds to RIP (receptor interacting proteins) and NIK (NF-κB inducing kinase) and mediates TNF-induced NF-κB activation.3 IKKγ, along with IKKα and IKKβ are regulators of inflammatory response target genes.3

**Reagent**
Supplied as a solution in phosphate buffered saline containing 0.02% sodium azide. See Certificate of Analysis for antibody concentration.

**Precautions and Disclaimer**
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Storage/Stability**
Antibody can be stored at 2-8 °C for three months and at −20 °C for 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.

**Product Profile**
**Immunoblotting:** the recommended working antibody concentration is 0.5-1 µg/ml using human HeLa whole cell lysate.

**Note:** In order to obtain the best results and assay sensitivities in various techniques and preparations, we recommend determining optimal working dilutions by titration.

**References**
