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## **IKK alpha Antibody**

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 253323

**Unit:** 0.1 mg

### **Description:**

Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF $\alpha$ , and bacteria product LPS. NF-kappaB is associated with I kappaB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. The long-sought I kappaB kinase (IKK), which phosphorylates I kappaB, and mediates I kappaB degradation and NF-kappaB activation, was recently identified by several laboratories. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKKalpha and IKKbeta). IKKalpha and IKKbeta interact with each other and both are essential for the NF-kappaB activation. IKKalpha specifically phosphorylates I kappaB-alpha. IKKalpha is expressed in variety of human tissues.

**Isotype:** Rabbit Ig

**Applications:** E, WB, ICC

**Species Reactivity:** H

**Format:** Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

**Alternate Names:** IKK alpha (C1); IKKa; IKK-1

**Accession No.:** AF009225

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within human IKK alpha.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.