

## **IKBKE (6B4B) Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 252745

**Unit:** 0.1 ml

### **Description:**

IKBKE (Inhibitor of nuclear factor kappa-B kinase subunit epsilon) is a Serine/threonine-protein kinase. The transcription factor NF $\kappa$ B is retained in the cytoplasm in an inactive form by the inhibitory protein I $\kappa$ B. Activation of NF $\kappa$ B requires that I $\kappa$ B be phosphorylated on specific serine residues, which results in targeted degradation of I $\kappa$ B. I $\kappa$ B kinase (IKK), previously designated CHUK, interacts with I $\kappa$ B and specifically phosphorylates I $\kappa$ B on the sites that trigger its degradation, serines 32 and 36. The functional IKK complex contains three subunits, IKK $\alpha$ , IKK $\beta$  and IKK $\gamma$  (also designated NEMO), and each appear to make essential contributions to I $\kappa$ B phosphorylation. IKK-i is a serine/threonine kinase that shares homology with IKK $\alpha$  and IKK $\beta$ . IKK-i is primarily expressed in immune cells and is induced by lipopolysaccharide and by proinflammatory cytokines including TNF $\alpha$ , IL-1 and IL-6. Overexpression of IKK-i was shown to result in phosphorylation of I $\kappa$ B on Ser32 and Ser36, and in NF $\kappa$ B activation, suggesting that IKK-i may act as an I $\kappa$ B kinase in the immune system.

**Isotype:** Mouse IgG1

**Applications:** WB

**Species Reactivity:** H

**Format:** Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

**Alternate Names:** Inhibitor of nuclear factor kappa-B kinase subunit epsilon; I-kappa-B kinase epsilon; IKK-E; IKK-epsilon; IkbKE; Inducible I kappa-B kinase; IKK-I; IKKE; IKKI; KIAA0151

**Accession No.:** Q14164

**Antigen:** Purified recombinant fragment of IKBKE(aa1-257) expressed in E. coli.

**Application Notes:** WB: 1:500-1:2000;

**Storage:** Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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