

**Product:** Anti-IKKb (C3)  
**Catalog #:** 12-2121  
**Amount:** 25 mg

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**CATEGORY:**  
**DESCRIPTION:**

**Rabbit Polyclonal**

NF- $\kappa$ B is associated with I $\kappa$ B proteins in the cell cytoplasm, which inhibit NF- $\kappa$ B activity. The long sought I $\kappa$ B kinase (IKK), which phosphorylates I $\kappa$ B, and mediates I $\kappa$ B degradation and NF- $\kappa$ B activation, was recently identified. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK $\alpha$  and IKK $\beta$ ). IKK $\alpha$  and IKK $\beta$  interact with each other and both are essential for the NF- $\kappa$ B activation. IKK $\beta$  specifically phosphorylates I $\kappa$ B- $\beta$ . IKK $\beta$  is expressed in variety of human tissues.

**FORM:**  
**IMMUNOGEN:**

Purified IgG in PBS containing 0.02% Sodium Azide  
A peptide corresponding to amino acids 658 to 674 of human IKK $\beta$ , which differs from corresponding murine sequence by one amino acids.

**APPLICATION:**  
**REACTIVITY/SPECIES:**  
**RECOMMENDED FOR POSITIVE CONTROL:**

Immunoblotting (min. dilution 1:500)  
Human. It has no cross reactivity with to IKK $\alpha$  or IKK $\gamma$ .

**STORAGE:**

whole cell lysate from Jurkat cells (87 kDa band should be detected)  
2-8°C for immediate use, or at -20°C (aliquot)

**12-2121-1 Blocking peptide available**

**REFERENCES:**

DiDonato, JA. et al. (1997) Nature **388**: 548-554  
Regnier, CH. et al. (1997) Cell **90**: 373-383  
Zandi, E. et al. (1997) Cell **91**: 243-252  
Woronicz, JD. et al. (1997) Science **278**: 866-869  
Mercurio, F et al. (1997) Science **278**: 860-866  
Nakano, H et al. (1998) Proc Natl Acad Sci USA **95**: 3537-3542

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