

**Product:** Anti-IKK $\alpha$  (C3)  
**Catalog #:** 12-2117  
**Amount:** 25 mg

---

**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 $\alpha$  specifically phosphorylates I $\kappa$ B- $\alpha$ . IKK $\alpha$  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 $\alpha$ , 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 $\beta$  or IKK $\gamma$ .

**STORAGE:**

whole cell lysate from Jurkat cells (85 kDa band should be detected)  
2-8°C for immediate use, or at -20°C (aliquot)

**12-2117-1 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

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.