

## IKK $\alpha$ Polyclonal Antibody

<b>CATALOG #:</b>	3185-100
<b>AMOUNT:</b>	100 $\mu$ g
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	<i>E. coli</i> expressed recombinant human IKK $\alpha$ (a.a. 557-745).

### FORMULATION:

100  $\mu$ g (0.5 mg/ml) Protein A purified rabbit anti-IKK $\alpha$  polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

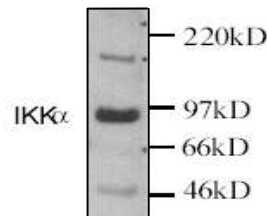
**SPECIES REACTIVITY:** Human (other species has not been determined).

### BACKGROUND DESCRIPTION:

IKK $\alpha$  (I $\kappa$ B kinase- $\alpha$  or IKK-1) is part of a large protein complex responsible for the inducible phosphorylation of I $\kappa$ B proteins. Human IKK- $\alpha$  is an 85 kDa peptide that has been shown to activate NF $\kappa$ B by phosphorylation of I $\kappa$ B proteins. IKK $\alpha$  interacts with its upstream kinase, NIK, and its downstream substrate, the I $\kappa$ B proteins. Mutations of IKK $\alpha$  in its kinase domain lead to a dominant-negative phenotype that suppresses TNF- $\alpha$  and IL-1 $\beta$  induced NF $\kappa$ B activation.

### APPLICATION AND USAGE:

The antibody can be used for Western blot (at 0.5-1  $\mu$ g/ml) and immunoprecipitation (4-8  $\mu$ g/ml). However, the optimal conditions should be determined individually.



**Cat.# 3185-100**  
Western blot analysis of IKK $\alpha$  in transfected RBL cells with anti-human IKK $\alpha$ .

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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