

Polyclonal Antibody to IKK ϵ /IKK ι (CT)

Alternate names:	IkappaK iota/epsilon
Catalog No.:	SP6389P
Quantity:	50 μ g
Concentration:	0.5 mg/ml
Host:	Rabbit
Immunogen:	A peptide (NRIIERLNRPAPPDV) corresponding to amino acids 701 to 716 of human IKK ϵ /IKK-i (1, 2).

Format: This antibody is supplied as liquid immunoaffinity chromatography purified immunoglobulin fraction in Phosphate buffered saline with 0.02% sodium azide as preservative.

Applications: Suitable for Western blot (0.5 - 1 μ g/ml, Jurkat whole cell lysate can be used as positive control and an 80 kD band should be detected). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: Nuclear factor kappa B (NF- κ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF- κ B mediates the expression of a great variety of genes in response to extracellular stimuli. NF- κ B is associated with I κ B proteins in the cell cytoplasm, which inhibit NF- κ B activity. I κ B is phosphorylated by I κ B kinase (IKK) complex that contains IKK α , IKK β , and IKK γ . A novel molecule in the IKK complex was recently identified and designated IKK ϵ /IKK-i (1, 2). IKK ϵ is required for the activation of NF- κ B by PMA and T cell receptors but not by TNF α and IL-1 (1). IKK ϵ /IKK-i message is expressed in a variety of tissues and is inducible by TNF α , IL-1, and LPS (2).
This antibody detects IKK ϵ /IkKi. It has no cross response to IKK α , IKK β , or IKK γ .

Storage: Store the antibody undiluted at 4-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.

General Readings: 1. Peters RT, Liao SM, Maniatis T. IKKepsilon is part of a novel PMA-inducible IkappaB kinase complex. Mol Cell. 2000 Mar;5(3):513-22. PubMed PMID: 10882136.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



2. Shimada T, Kawai T, Takeda K, Matsumoto M, Inoue J, Tatsumi Y, et al. IKK-i, a novel lipopolysaccharide-inducible kinase that is related to IkappaB kinases. *Int Immunol.* 1999 Aug;11(8):1357-62. PubMed PMID: 10421793.

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