

## Mouse Monoclonal Antibody to IKBKE

<b>Catalogue Number</b>	sAP-0145
<b>Target Molecule</b>	<p><b>Name:</b> IKBKE</p> <p><b>Aliases:</b> IKBKE</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 9641</p>
<b>Description</b>	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon. 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 $\alpha$ (IKK $\alpha$ ), 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.
<b>Immunogen</b>	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM6B4B5;
<b>Size and Concentration</b>	100 $\mu$ g/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100 $\mu$ l of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100 $\mu$ l sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Cell. 2007 Jun 15;129(6):1065-79. ; 2. Mol Syst Biol. 2007;3:89. Epub 2007 Mar 13. ; 3. Arthritis Rheum. 2007 Mar;56(3):743-52.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**