

Product datasheet for **AM06206SU-N**

IKBKE Mouse Monoclonal Antibody [Clone ID: 6B4B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6B4B5
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. Coli.
Specificity:	Recognizes IKBKE
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
Database Link:	Entrez Gene 9641 Human Q14164



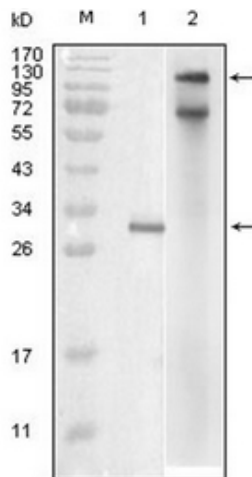
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Background:

Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon. The transcription factor NF κ B is retained in the cytoplasm in an inactive form by the inhibitory protein I κ B. Activation of NF κ B requires that I κ B be phosphorylated on specific serine residues, which results in targeted degradation of I κ B. I κ B kinase α (IKK α), previously designated CHUK, interacts with I κ B- α and specifically phosphorylates I κ B- α on the sites that trigger its degradation, serines 32 and 36. The functional IKK complex contains three subunits, IKK α , IKK β and IKK γ (also designated NEMO), and each appear to make essential contributions to I κ B phosphorylation. IKK-i is a serine/threonine kinase that shares homology with IKK α and IKK β . IKK-i is primarily expressed in immune cells and is induced by lipopolysaccharide and by proinflammatory cytokines including TNF α , IL-1 and IL-6. Overexpression of IKK-i was shown to result in phosphorylation of I κ B α on Ser32 and Ser36, and in NF κ B activation, suggesting that IKK-i may act as an I κ B kinase in the immune system.

Synonyms:

I kappa-B kinase epsilon, IKK-epsilon, IKK-E, IKKI, KIAA0151, Inducible I kappa-B kinase, IKK-I

Product images:


Western blot analysis using IKBKE antibody Cat.-No AM06206SU-N against truncated IKBKE recombinant protein (Lane 1) and full-length IKBKE (aa1-716)-hIgGFc transfected COS7 cell lysate (Lane 2).