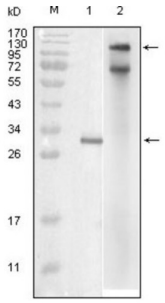
Inhibitor of Nuclear Factor Kappa B Kinase Subunit Epsilon (IKBKE) Antibody

Catalogue No.:abx010992



Western blot analysis using IKBKE antibody against truncated IKBKE recombinant protein (1) and full-length IKBKE (aa1-716) -hIgGFc transfected COS7 cell lysate (2).

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 degra-dation of I kappa B. I kappa B kinase alpha (IKK alpha), previously designated CHUK, interacts with I kappa B alpha and specifically phosphorylates I kappa B alpha 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 pri-marily expressed in immune cells and is induced by lipopolysaccharide and by proinflammatory cytokines including TNF alpha, IL-1 and IL-6. Overexpression of IKK-i was shown to result in phosphorylation of I kappa B alpha on Ser32 and Ser36, and in NF kappa B activation, suggesting that IKK-i may act as an I kappa B kinase in the immune system.

Target:	Inhibitor of Nuclear Factor Kappa B Kinase Subunit Epsilon (IKBKE)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.

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Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q14164 (UniProt, ExPASy)
Gene Symbol:	IKBKE
GeneID:	9641
OMIM:	605048
HGNC:	14552
KEGG:	hsa:9641
Ensembl:	ENSG00000263528
String:	9606.ENSP00000464030
Enzyme Commission Number:	EC 2.7.11.10
Molecular Weight:	80 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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