BT LAB
Bioassay Technology Laboratory

Optimize Your Research

IKBKE Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2112
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	IKBKE

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

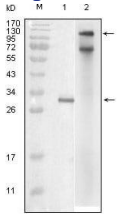
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com