

IKBKB Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2669
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of IKBKB expressed in E. Coli.
Mol wt	43kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	IKBKB

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

Background

IKBKB (Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta, also called IKK2/IKKB), is a member of the IKK complex which is composed of IKK-alpha, IKK-beta, IKK-gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquitination. IKK-beta has been shown to activate NF-kB and phosphorylate IKB-alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK-beta is essential for activation of IKK by TNF and IL1. Once activated, IKK-beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK-beta activity can also be regulated by MEKK-1.

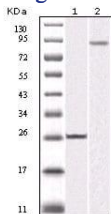
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using IKBKB mouse mAb against truncated IKBKB recombinant protein (1) and K562 cell lysate (2).

Storage

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