

IKK gamma monoclonal antibody

Catalog: MB67267

Host: Mouse

Reactivity: Human

BackGround:

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I κ B proteins. Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B. The key regulatory step in this pathway involves activation of a high molecular weight I κ B kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK α and IKK β serve as the catalytic subunits of the kinase and IKK γ serves as the regulatory subunit. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK β (Ser176 and Ser180 in IKK α), which causes conformational changes, resulting in kinase activation. Activation of the NF- κ B pathway by the T-cell lymphotropic virus Tax protein or by TNF- α treatment leads to IKK β -dependent phosphorylation of human IKK γ , primarily at Ser376. In mice, mutation of the orthologous residue (Ser369) to alanine leads to enhanced IKK γ -mediated stimulation of IKK β kinase activity.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 50 kDa

Swiss-Prot:

Q9Y6K9

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

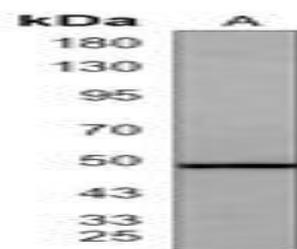
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of IKK gamma protein.

DATA:



Western blot analysis of IKK gamma expression in ZR751 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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