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#9958

Phospho-IKK α / β (Ser176/180) Antibody Sampler Kit

1 Kit (3 x 20 microliters)

For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Phospho-IKK α (Ser176)/IKK β (Ser177) (C84E11) Rabbit mAb	2078	20 μ l	85 (IKK α), 87 (IKK β) kDa	Rabbit
Phospho-IKK α / β (Ser176/180) (16A6) Rabbit mAb	2697	20 μ l	85 IKK- α 87 IKK- β kDa	Rabbit IgG
Phospho-IKK α / β (Ser176/180) Antibody II	2694	20 μ l	85 IKK- α 87 IKK- β kDa	Rabbit
Anti-rabbit IgG, HRP-linked Antibody	7074	100 μ l		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Phospho-IKK α / β (Ser176/180) Antibody Sampler Kit contains reagents to examine protein levels of IKK α when phosphorylated at Ser176/180 and IKK β when phosphorylated at Ser177/181. The kit contains primary and secondary antibodies to perform two Western blots with each antibody.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C . Do not aliquot the antibody.

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 (1-3). Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B (3-7). 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 (8,9). 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 (10-13).

Background References

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