IKKβ antibody (mAb)



Catalog No: 40906

RRID: AB_2793429 Clone: 10AG2 Application(s): WB Reactivity: Human Quantity: 100 µg

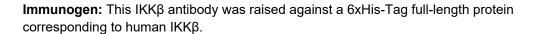
Purification: Affinity Purified

Host: Mouse Isotype: IgG1

Concentration: 1 µg/µl Molecular Weight: 87 kDa

Background: IKKβ (IκB Kinase beta subunit) – The IκB Kinase (IKK) complex is the key enzyme involved in the activation and translocation of NFκB (NFκB p50 & NFκB p65). The IKK complex is composed of two catalytic subunits (IKK α and IKK β) and a regulatory subunit (IKK γ).

NFkB signaling is negatively regulated by the sequestration of the NFkB complex in the cytoplasm by its association with the IkB family of inhibitory proteins. Upon its activation, the IKK complex phosphorylates IkB α at Ser32 and Ser36. This results ultimately in the degradation of IkB and the activation and nuclear translocation of NFkB. While both IKK-alpha and IKK-beta subunits are Ser/Thr kinases, IKK beta appears to be the principal kinase, as IKK α is not required for activation of the IKK complex and the subsequent degradation of IkB α . Once activated, IKK β autophosphorylates, which decreases IKK activity, thereby preventing a prolonged activation of inflammation.



Buffer: PBS containing 0.02% sodium azide. Sodium azide is highly toxic.

Application Notes:

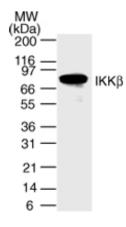
Applications Validated by Active Motif:

WB: 1 - 2 µg/ml dilution

For optimal results, primary antibody incubations should be performed at room temperature. The addition of 0.1% Tween 20 to all blocking solutions may also reduce background. Individual optimization may be required.

Storage and Guarantee: Some products may be shipped at room temperature. This will not affect their stability or performance. Store at 4°C for short term. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. This product is guaranteed for 12 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.



IKK β mAb (Clone 10AG2) tested by Western blot.

IKKβ detection by Western blot analysis. IKKβ can be detected in 30 μ g of Daudi whole-cell extract with IKKβ mAb (Clone 10AG2) at a 1 μ g/ml dilution.