Recombinant IKB beta Monoclonal Antibody

catalog number: **AN301851L**

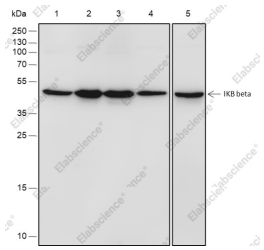
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human IKB beta fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C271473
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
FCM	1:50-1:100
IF	1:50-1:100

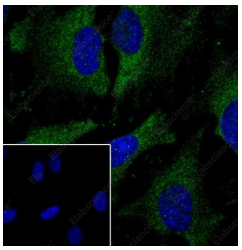
Data



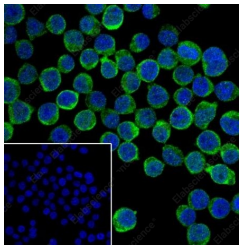
Western Blot with IKB beta Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Jurkat, Lane 3: THP-1, Lane 4: MCF-7, Lane 5: Raw264.7

Observed-MW:48 kDa

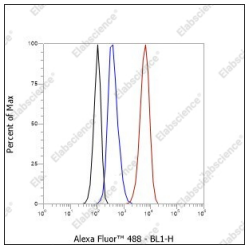
Calculated-MW:60 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-IKB beta Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-IKB beta Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human IKB beta expression on HeLa cells. Cells were stained with purified anti-Human IKB beta, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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Background

IkB-beta a protein of the NF-kappa-B inhibitor family. IKB beta Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with IKB beta-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.

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