

Recombinant Phospho-IkBα (Ser36) Monoclonal Antibody

catalog number: **AN302095L**

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

Description

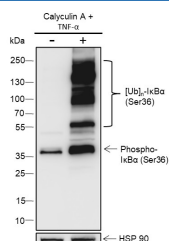
Reactivity	Human;Mouse
Immunogen	Phosphorylated human IkBα (Ser36) peptide
Host	Rabbit
Isotype	IgG, κ
Clone	A819
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-2000
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Data



Western Blot with Phospho-IkBα (Ser36) Monoclonal Antibody at dilution of 1:2000. (-): HeLa, (+): HeLa + Calyculin A (100ng/ml, 30min)+TNF-α (20ng/ml, 5min)

Observed-MW:39 kDa

Calculated-MW:36 kDa

Preparation & Storage

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

Background

The NF-κB/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory IkB proteins. Activation occurs via phosphorylation of IkBα at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF-κB. IkBα phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate IkB at these activating sites have been identified.

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