Recombinant Phospho-IKB alpha (Ser32, Ser36) Monoclonal Antibody

catalog number: **AN302083L**

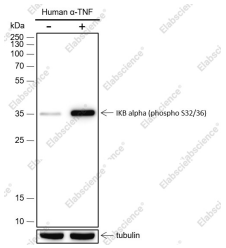
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human IKB alpha (phospho S32/36) fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121704
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100

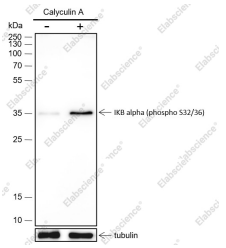
Data



Western Blot with Phospho-IKB alpha (Ser32, Ser36) Monoclonal Antibody at dilution of 1:2000. (-): HeLa, (+): HeLa+ Human α-TNF (20ng/ml, 30min)

Observed-MW:36 kDa

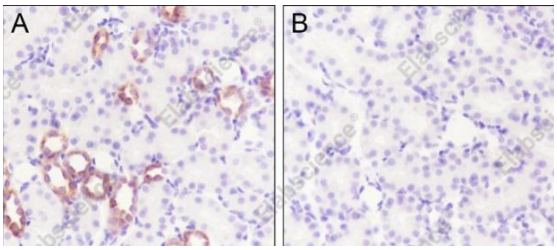
Calculated-MW:36 kDa



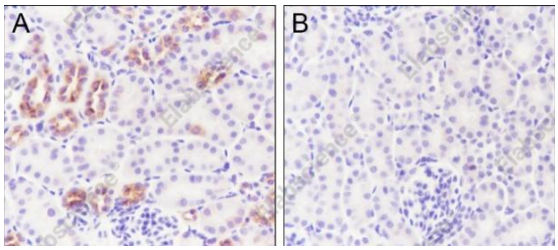
Western Blot with Phospho-IKB alpha (Ser32, Ser36) Monoclonal Antibody at dilution of 1:2000. (-): C6, (+): C6+ Calyculin A (100nM, 30min)

Observed-MW:36 kDa

Calculated-MW:36 kDa



Immunohistochemistry of paraffin-embedded (A) Rat kidney, (B) Rat kidney, then the tissue was incubated with alkaline phosphatase (50U/ml) at 37°C for 1 hour using Phospho-IKB alpha (Ser32, Ser36) Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded (A) Mouse kidney, (B) Mouse kidney, then the tissue was incubated with alkalinephosphatase (50 U/ml) at 37°C for 1 hour using Phospho-IKB alpha (Ser32, Ser36) Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

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

Background

NF-kappa-B inhibitor alpha (IKB alpha) inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, IKB alpha becomes phosphorylated promoting itself ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.

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