

Human Phospho-lkB-α (S32/S36) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF4809

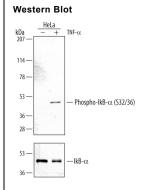
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IkB-α when phosphorylated at S32/36.		
Source	Polyclonal Rabbit IgG		
Purification	Antigen Affinity-purified		
Immunogen	Phosphopeptide containing human IkB-α S32/36 sites		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application, General Protocols are available in the Technical Information section on our website

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human Phospho-lkB-α (S32/S36) by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 20 ng/mL Recombinant Human TNF-α (Catalog # 210-TA) for 5 minutes. PVDF membrane was probed with 1 µg/mL Rabbit Anti-Human Phospho-lkB-α (S32/S36) Antigen Affinitypurified Polyclonal Antibody (Catalog # AF4809) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band for Phospho-lkB-α (S32/S36) was detected at approximately 44 kDa (as indicated). For additional reference, duplicate lysates were probed with 0.1 μg/mL Human IkB-α Monoclonal Antibody (Iower panel, Catalog # MAB4299). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

 * Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 $^\circ$ C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

NF κ B inhibitor alpha (IkB- α) inhibits the NF κ B complex by binding and sequestering it in the cytoplasm. Upon stimulation, IkB- α is phosphorylated on serine residues 32 and 36 marking it for degradation by the ubiquitin pathway. Following IkB- α degradation, the NF κ B complex is able to translocate to the nucleus and activate transcription.

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