

## Mouse IkB-ε Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF4637

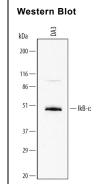
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects endogenous mouse IkB-ε in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant mouse IκΒ-ε Met1-Asp364 Accession # 054910
Formulation	Lyophilized from a 0.2 µm filtered solution 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 Mouse IkB-ε by Western Blot. Western blot shows lysates of DA3 mouse myeloma cell line. PVDF membrane was probed with 1 μg/mL of Mouse IkB-ε Antigen Affinity-purified Polydonal Antibody (Catalog # AF4637) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for IkB-ε at approximately 48 kDa (as indicated). 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 °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

NFκB inhibitor epsilon (IkB-ε) inhibits the NFκB complex by binding and sequestering it in the cytoplasm. Upon stimulation, IkB-ε is phosphorylated on serine residues marking it for degradation by the ubiquitin pathway. Following IkB-ε degradation, the NFκB complex is able to translocate to the nucleus and activate transcription.

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