

DESCRIPTION

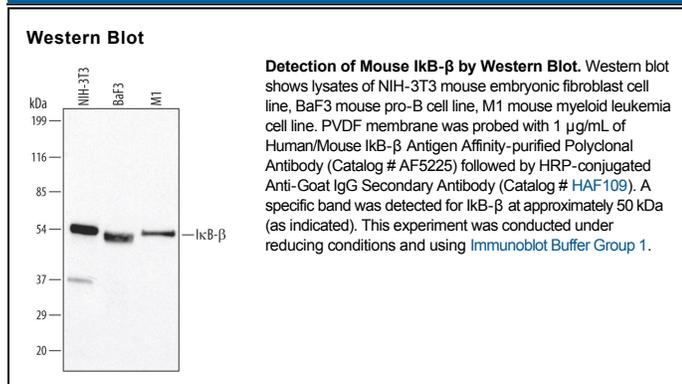
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse IκB-β in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse IκB-β Met1-Ala359 Accession # Q60778
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



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. <ul style="list-style-type: none"> ● 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

IκB-β (I kappa B-beta; also NF-kappa-BIB) is a 46 kDa member of the IκB-β inhibitor family of proteins. It is highly expressed in testicular spermatids, and serves to block NF-κB activity. This is accomplished by IκB-β binding to either an NF-κB dimer, or a κB-Ras:NF-κB dimer complex. Mouse IκB-β is 359 amino acids (aa) in length it contains a signal response region (aa 1-50), six ankyrin repeats (aa 54-308) and a PEST domain whose phosphorylation at Ser312 and Ser314 blocks NF-κB activation. Phosphorylation at Ser19 and Ser23 promotes IκB-β ubiquitination and degradation. Full-length mouse IκB-β shares 94% and 84% aa identity with rat and human IκB-β, respectively.