

DESCRIPTION

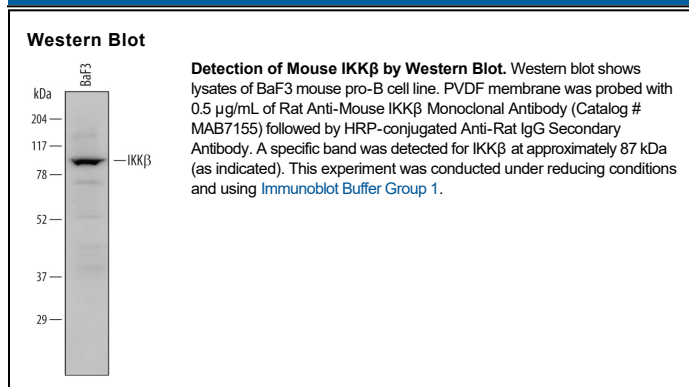
Species Reactivity	Mouse
Specificity	Detects mouse IKK β in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 725818
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse IKK β Val530-Asp757 Accession # O88351
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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	0.5 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

I κ B kinase beta (IKK β) is also known as IKBKB and IKK2. The classical active IKK complex, composed of IKK α , IKK β , and two forms of processed IKK γ , phosphorylates and inactivates I κ B, resulting in the release and nuclear translocation of active NF κ B. Like IKK α , IKK β contains kinase (aa 15-300), leucine zipper (aa 458-479), and helix-loop-helix (aa 605-644) domains. NF κ B-inducing kinase (NIK) phosphorylates and activates IKK α /IKK β heterodimers. Within amino acids 530-757, mouse IKK β shares 89% and 96% aa sequence identity with human and rat IKK β , respectively.