

Mouse IKKβ Antibody

Monoclonal Rat IgG_{2A} Clone # 725818 Catalog Number: MAB7155

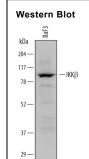
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse IKKβ in direct ELISAs and Western blots.		
Source	Monoclonal Rat IgG _{2A} Clone # 725818		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant mouse ΙΚΚβ Val530-Asp757 Accession # O88351		
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.

_	ecommended oncentration	Sample
Western Blot 0.	5 μg/mL	See Below

DATA



Detection of Mouse IKKβ by Western Blot. Western blot shows lysates of BaF3 mouse pro-B cell line. PVDF membrane was probed with 0.5 μg/mL of Rat Anti-Mouse IKKβ Monoclonal Antibody (Catalog # MAB7155) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody. A specific band was detected for IKKβ at approximately 87 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.		

- 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

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

