Human IKKβ Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4535

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human IKKβ in Western blots. In Western blots, this antibody does not cross-react with recombinant human IKKα, IKKγ, or IKKε.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human IKKβ Gly374-Ser756 Accession # O14920
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.

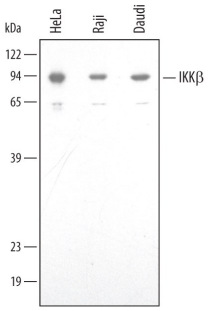
APPLICATIONS

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

Western Blot



Detection of Human IKKβ by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Raji human Burkitt's lymphoma cell line, and Daudi human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 µg/mL of Human IKKβ Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4535) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). 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	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

IκB 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 IκB, resulting in the release and nuclear translocation of active NF-κB. Like IKKα, IKKβ contains kinase, leucine zipper, and helix-loop-helix domains. NF-κB-inducing kinase (NIK) phosphorylates and activates IKKα/IKKβ heterodimers.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956