

Human Phospho-IKKα (S176/S180) Antibody

Monoclonal Rat IgG_{2A} Clone # 829177

Catalog Number:	MAB3768
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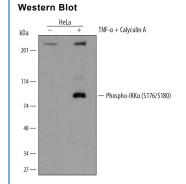
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human IKKα when phosphorylated at S176/S180.
Source	Monoclonal Rat IgG _{2A} Clone # 829177
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human IKKα S176/S180 Accession # O15111
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 Human Phospho-IKKg (S176/S180) by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 100 nM Calyculin A (Catalog # 1336) and 20 ng/mL Recombinant Human TNF- α (Catalog # 210-TA) for 10 minutes. PVDF membrane was probed with 1 μg/mL of Rat Anti-Human Phospho-IKKα (S176/S180) Monoclonal Antibody (Catalog # MAB3768) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for Phospho-IKKα (S176/S180) at approximately 90 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

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

- 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 alpha (IKKα) is also known as IKBKA, CHUK, and IKK1. 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. IKKα contains kinase, leucine zipper, and helix-loop-helix domains, and heterodimerizes with IKKβ. NF-κB-inducing kinase (NIK) phosphorylates and activates IKKα.

Rev. 8/31/2018 Page 1 of 1

