

Human Phospho-MKK3/MKK6 (MKK3 S218/T222, MKK6 S207/T211) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF4930

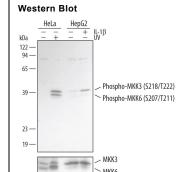
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Phospho-MKK3/MKK6 (MKK3 S218/T222, MKK6 S207/T211) in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human MKK6 S207/T211 site
Formulation	Lyophilized from a 0.2 µm 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	5 μg/mL	See Below

DATA



Detection of Human Phospho-MKK3/ MKK6 (MKK3 S218/T222, MKK6 S207/T211) by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or exposed (+) to 100 J/m² of UV-C for 30 minutes and HepG2 human hepatocellular carcinoma cell line untreated (-) or treated (+) with 20 ng/mL Recombinant Human IL-1β/IL-1F2 (Catalog # 201-LB) for 20 minutes. PVDF membrane was probed with 5 µg/mL Rabbit Anti-Human Phospho-MKK3/MKK6 (MKK3 S218/T222, MKK6 S207/T211) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4930) followed by HRPconjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands for Phospho-MKK3/MKK6 (MKK3 S218/T222, MKK6 S207/T211) were detected at approximately 40 and 38 kDa (as indicated). For additional reference. duplicate lysates were probed with 1 µg/mL Human/Mouse/Rat MKK3/MKK6 Monoclonal Antibody (lower panel Catalog # MAB2514). 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	

- 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

Mitogen-activated protein kinase kinase 3 (MKK3) and the closely related MKK6 are activated by proinflammatory cytokines and environmental stresses. Activation occurs through dual phosphorylation at S218/T222 of MKK3 and S207/T211 of MKK6 by several upstream MAP3Ks, including ASK1 and TAK1. Both MKK3 and MKK6 are dual-specificity protein kinases, phosphorylating and activating the p38 MAP kinases at T and Y positions within the phosphoacceptor sequence T-G-Y.

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