

## **Human MEK2 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF2855

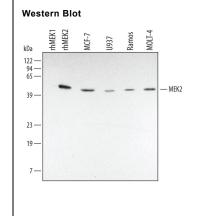
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human MEK2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human MEK2 Met1-Val400 Accession # P36507
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 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 MEK2 by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line, U937 human histiocytic lymphoma cell line, Ramos human Burkitt's lymphoma cell line, and MOLT-4 human acute lymphoblastic leukemia cell line. PVDF membrane was probed with 1 µg/mL Goat Anti-Human MEK2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2855) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). For additional reference, recombinant human MEK1 and Recombinant Human Active MEK2 (Catalog # 2855-KS) (10 ng/lane) were included. A specific band for MEK2 was detected at approximately 45 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.	
	<ul> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>	
	<ul> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> </ul>	
	6 months, -20 to -70 °C under sterile conditions after reconstitution.	

## BACKGROUND

Mitogen-activated protein kinase kinase 2 (MAP2K2), also known as MEK2 and MKK2, belongs to the STE grouping of kinases. Both MEK2 and the related MEK1 are dual-specificity kinases, phosphorylating and activating the mitogen-activated protein kinases ERK1 and ERK2 at T and Y positions within the phosphoacceptor sequence T-E-Y. Activation of MEK2 by Raf occurs through phosphorylation at S222 and S226.

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