

Human ERK3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3196

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects endogenous human ERK3 in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human ERK3 Met344-Asn721 Accession # Q16659	
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.	

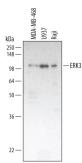
APPLICATIONS

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

Western Blot



Detection of Human ERK3 by Western Blot. Western blot shows lysates of MDA-MB-468 human breast cancer cell line, U937 human histiocytic lymphoma cell line, and Raji human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 µg/mL of Human ERK3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3196) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF-109). A specific band was detected for ERK3 at approximately 105 kDa (as indicated). This experiment was conducted 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

Extracellular signal-regulated kinase 3 (ERK3) is a serine/threonine protein kinase also known as mitogen-activated protein kinase 6 (MAPK6) and p97MAPK. Unlike ERK1 and ERK2, ERK3 lacks the phosphoacceptor sequence T-E-Y in its activation loop. This kinase also possesses a unique C-terminal extension that is missing in traditional MAPKs. Highly unstable, ERK3 is rapidly degraded following N-terminal ubiquitination.

Rev. 2/6/2018 Page 1 of 1

