

Human Akt Pan Specific Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF2055

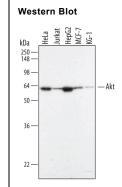
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Akt1, Akt2, and Akt3 in Western blots.	
Source	Polyclonal Rabbit IgG	
Purification	Antigen Affinity-purified	
Immunogen	Akt synthetic peptide IRCLQWTTVIERTFHV Accession # P31749	
Formulation	Lyophilized from a 0.2 µm filtered solution 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	0.1 μg/mL	See Below

DATA



Detection of Human Akt by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Jurkat human acute T cell leukemia cell line, HepG2 human hepatocellular carcinoma cell line, MCF-7 human breast cancer cell line, and KG-1 human myeloid leukemia cell lines. PVDF membrane was probed with 0.1 µg/mL of Human Akt Pan Specific, Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2055) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Akt Pan Specific, at approximately 60 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		

- 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

Rabbit antibodies were raised against a synthetic peptide corresponding to amino acids 75-90 of human v-akt murine thymoma viral oncogene homolog 1 (Akt1), also known as protein kinase B alpha (PKB α) and RAC-alpha serine/threonine kinase (RAC-PK- α). In addition, this peptide sequence is identical to amino acids 75-90 of human Akt2 (PKB β , RAC-PK- β), and amino acids 74-89 of human Akt3 (PKB γ , RAC-PK- γ).



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