9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1643

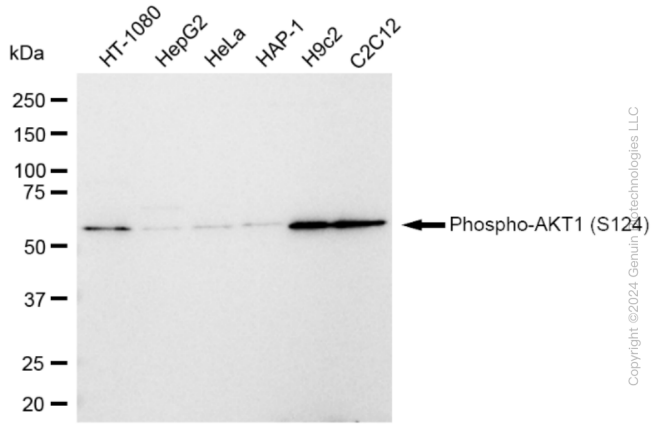
Product Overview

Name	KD-Validated Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody
Accession(Primary)	P31749
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human AKT1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 56 kDa , observed, 60 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

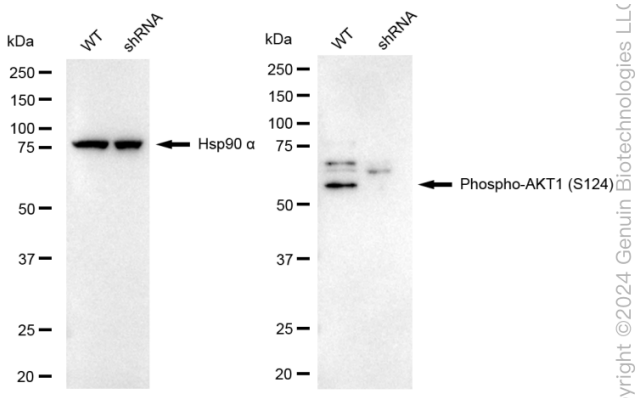
Target information (P31749)

Gene Name	AKT1
About Gene Symbol	AKT1 (AKT Serine/Threonine Kinase 1) is a serine/threonine protein kinase involved in cell signaling and proliferation. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

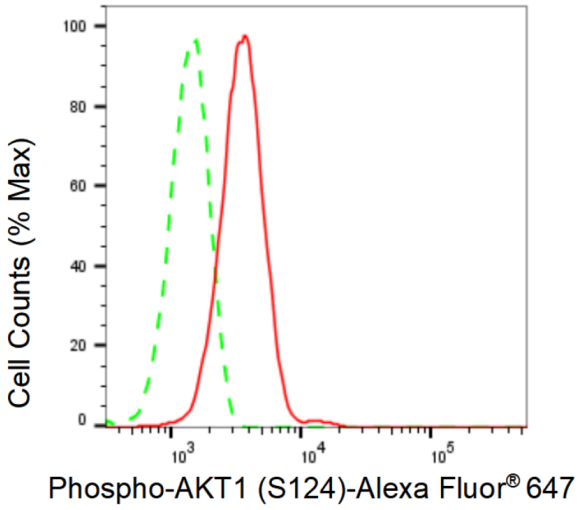
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Western blotting analysis using anti-Phospho-AKT1 (S124) antibody (Cat#ABG1643). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-AKT1 (S124) antibody (Cat#ABG1643, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



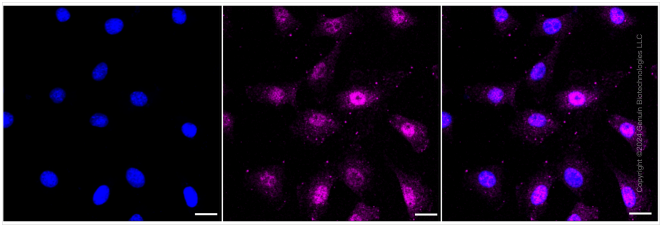
Western blotting analysis using anti-phospho-AKT1 (S124) antibody (Cat#ABG1643). Phospho-AKT1 (S124) expression in wild-type (WT) and AKT1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-phospho-AKT1 (S124) antibody (Cat#ABG1643, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Phospho-AKT1 (S124) expression in C2C12 cells using Phospho-AKT1 (S124) antibody (Cat#ABG1643, 1:2,000). Green, isotype control; red, Phospho-AKT1 (S124).

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Immunocytochemical staining of C2C12 cells with Phospho-AKT1 (S124) antibody (Cat#ABG1643, 1:1,000). Nuclei were stained blue with DAPI; Phospho-AKT1 (S124) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.