9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-AKT3 Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1438

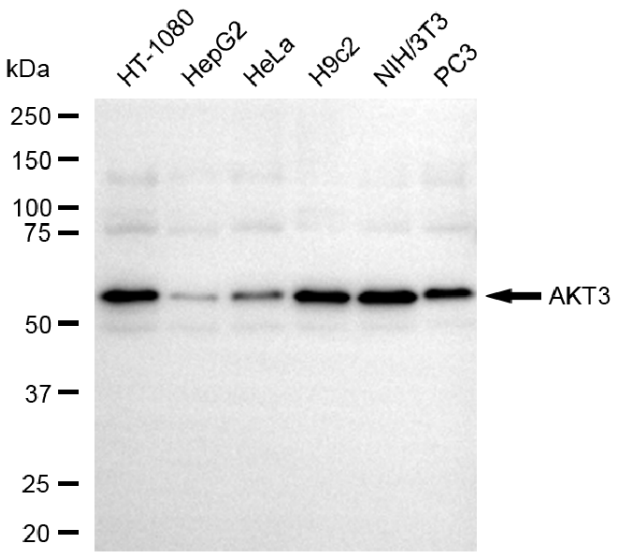
Product Overview

Name	KD-Validated Anti-AKT3 Mouse Monoclonal Antibody
Accession(Primary)	Q9Y243
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG3
Immunogen	Recombinant protein of human AKT3
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 56 kDa; observed, 56 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:200-1:1,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q9Y243)

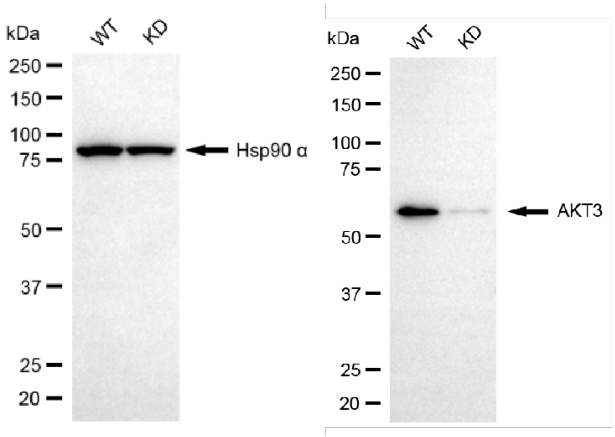
Gene Name	AKT3
About Gene Symbol	AKT3 (AKT Serine/Threonine Kinase 3) is a serine/threonine protein kinase involved in cell signaling and proliferation. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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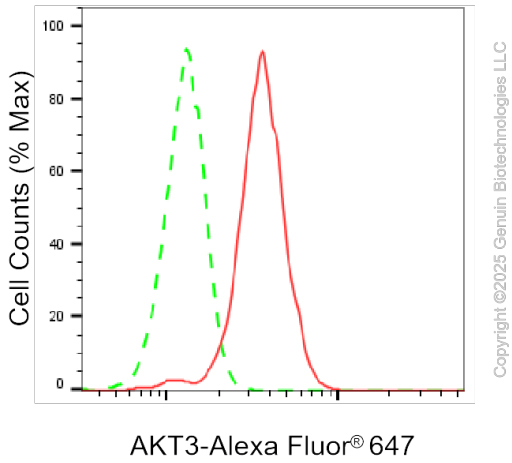
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Western blotting analysis using anti-AKT3 antibody (Cat#ABG1438). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AKT3 antibody (Cat#ABG1438, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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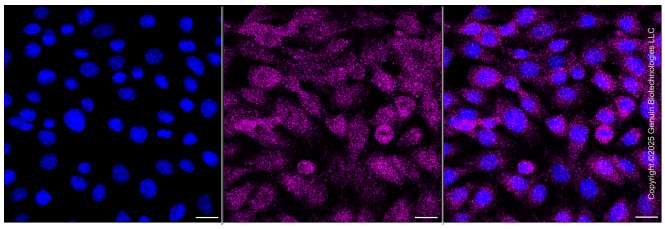
Western blotting analysis using anti-AKT3 antibody (Cat#ABG1438). AKT3 expression in wild-type (WT) and AKT3 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-AKT3 antibody (Cat#ABG1438, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Flow cytometric analysis of AKT3 expression in C2C12 cells using anti-AKT3 antibody (Cat#ABG1438, 1:2,000). Green, isotype control; red, AKT3.

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Immunocytochemical staining of C2C12 cells with anti-AKT3 antibody (Cat#ABG1438, 1:1,000). Nuclei were stained blue with DAPI; AKT3 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.