9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-AKT1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2366

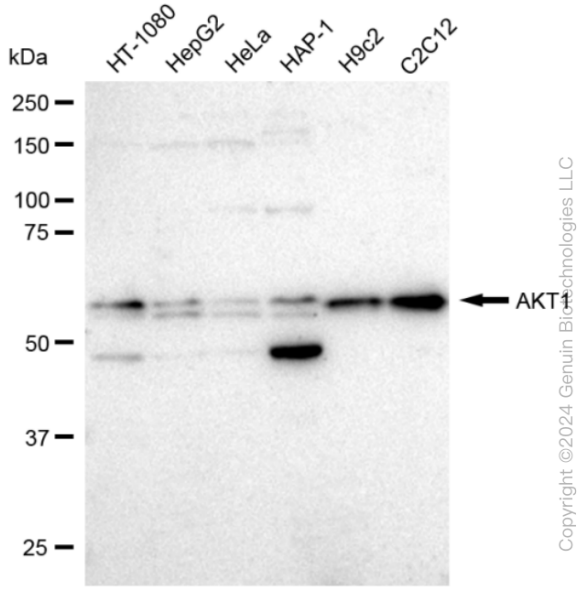
Product Overview

Name	KD-Validated Anti-AKT1 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, 56 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

Target information (P31749)

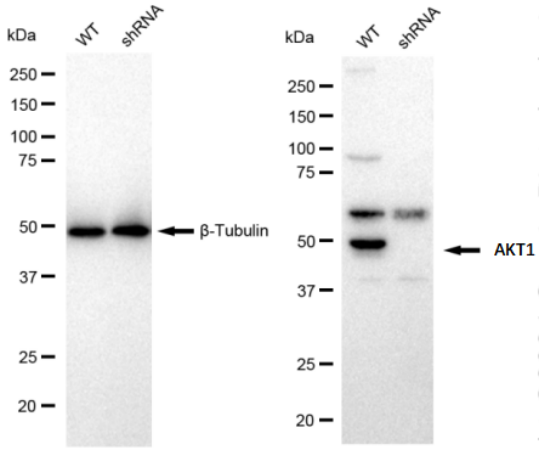
Gene Name	AKT1
About Gene Symbol	AKT1 (AKT Serine/Threonine Kinase 1) is a serine/threonine protein kinase involved in cell signaling and proliferation. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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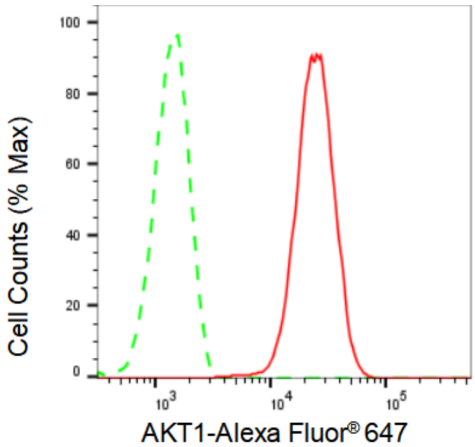
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Western blotting analysis using anti-AKT1 antibody (Cat#ABG2366). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AKT1 antibody (Cat#ABG2366, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-AKT1 antibody (Cat#ABG2366). AKT1 expression in wild type (WT) and AKT1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-AKT1 antibody (Cat#ABG2366, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of AKT1 expression in C2C12 cells using AKT1 antibody (Cat#ABG2366, 1:2,000). Green, isotype control; red, AKT1.