Anti-AKT1 Mouse Monoclonal Antibody

Catalog #: 3450

Aliases

AKT1; AKT Serine/Threonine Kinase 1; RAC; PKB; PRKBA; AKT; V-Akt Murine Thymoma Viral Oncogene Homolog 1; RAC-Alpha Serine/Threonine-Protein Kinase; Protein Kinase B Alpha; Proto-Oncogene C-Akt; Protein Kinase B; RAC-PK-Alpha; EC 2.7.11.1; RAC-ALPHA; PKB Alpha; V-Akt Murine Thymoma Viral Oncogene-Like Protein 1; Serine-Threonine Protein Kinase; Rac Protein Kinase Alpha; RAC-Alpha; PKB-ALPHA; EC 2.7.11; AKT1m

Background

Gene Name: AKT1
NCBI Gene Entry: 207
UniProt Entry: P31749

Application Information

Molecular Weight: Predicted, 56 kDa; observed, 56 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB5685
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human AKT1

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

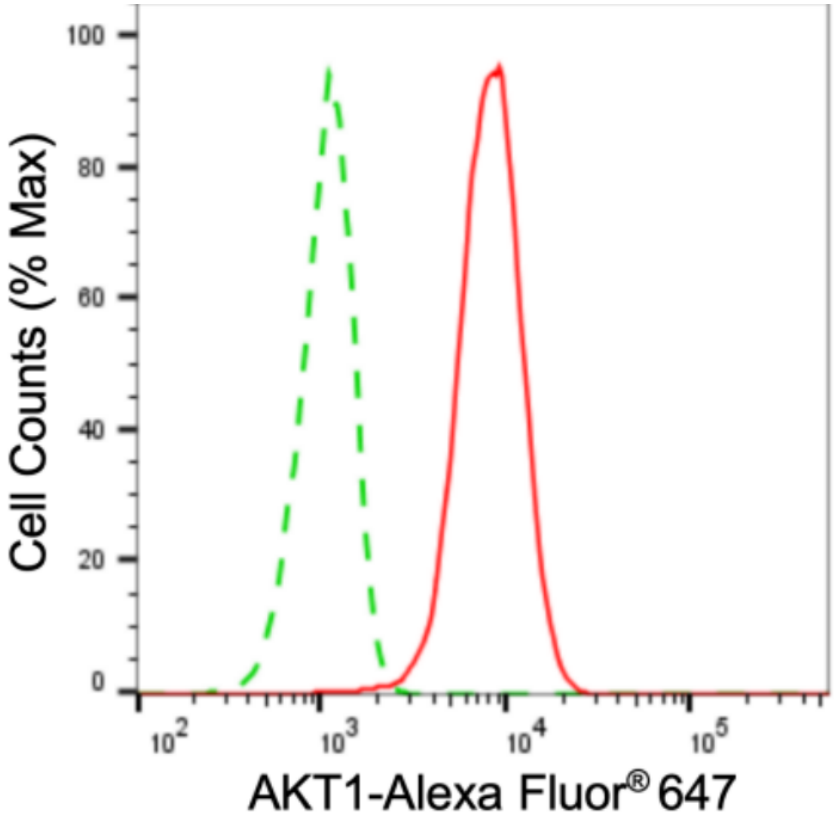
Store at -20 °C for one year.

Recommended Dilutions

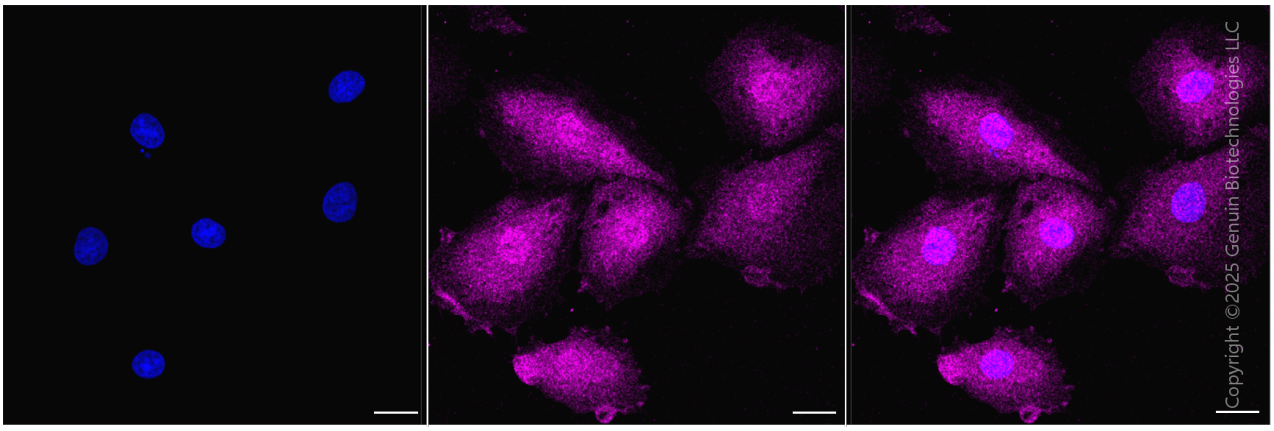
Western Blotting (WB):1:500-1:2,500
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

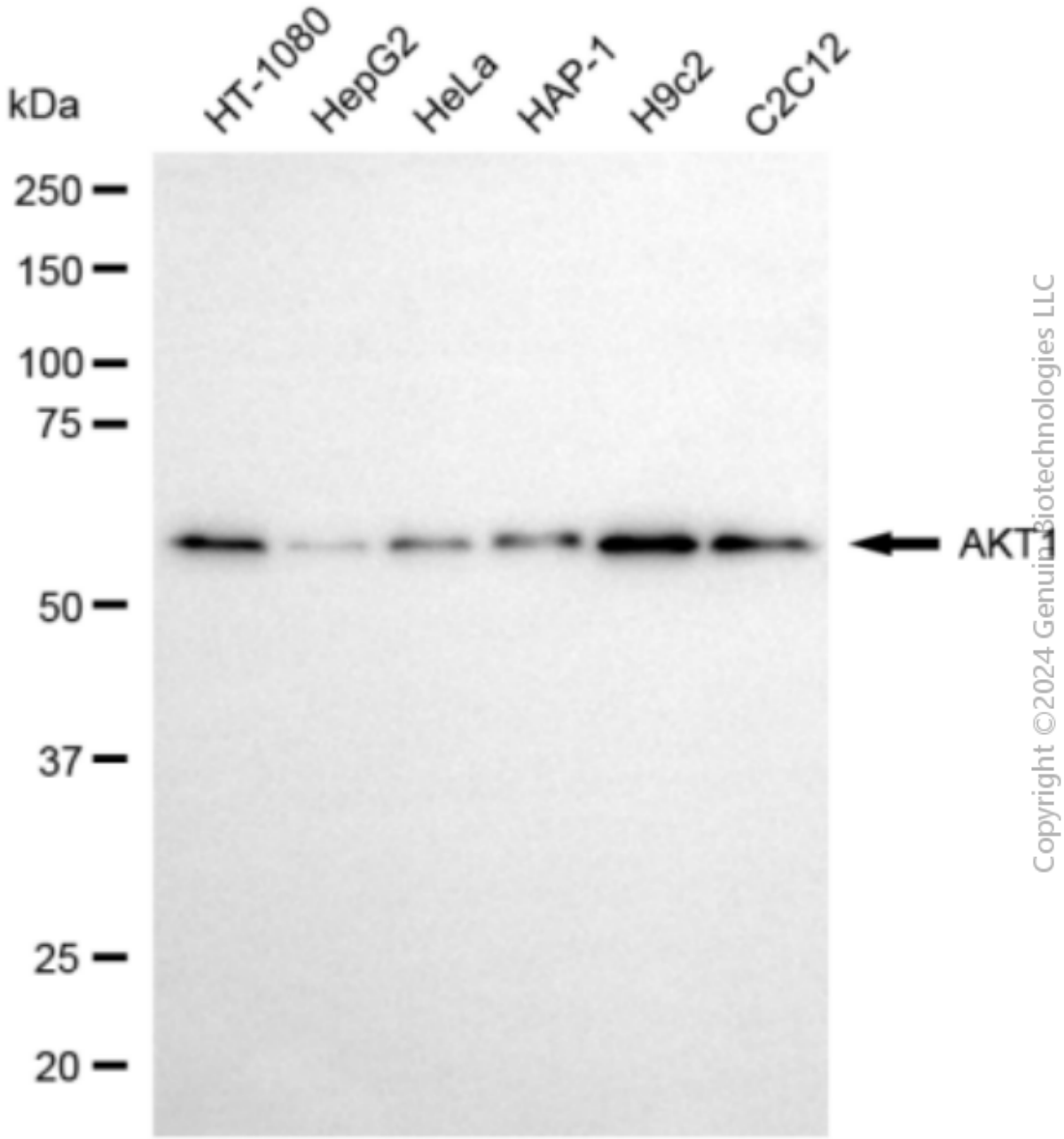
Validation Data



Flow cytometric analysis of AKT1 expression in H9c2 cells using anti-AKT1 antibody (Cat#3450, 1:2,000). Green, isotype control; red, AKT1.



Immunocytochemical staining of H9C2 cells with anti-AKT1 antibody(Cat #3450, 1:1,000) . Nuclei were stained blue with DAPI; AKT1 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.



Western blotting analysis using anti-AKT1 antibody (Cat#3450). 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#3450, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit(Cat#716).