

Akt Polyclonal Antibody

CATALOG NO: 3247-30T 30 µg (Trial size)
3247-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide corresponding to residue surrounding amino acid 80 of human Akt (ID# BV-240).

SPECIES REACTIVITY: Human, Mouse, Rat, Bovine

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-Akt polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

BACKGROUND:

Akt, also referred to as PKB and RAC, is the cellular homologue of the viral oncogene v-Akt. This protein kinase is activated by insulin and various growth factors and functions in a pathway involving PI3 kinase as activation is sensitive to wortmanin. Recent evidence suggests that Akt functions to promote cell survival by actively inhibiting apoptosis.

SPECIFICITY:

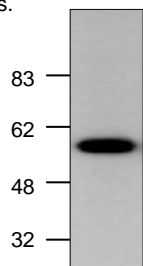
The antibody detects Akt1, Akt2 and Akt3. Blocking peptide (Cat.# 3247BP-50) is available separately.

APPLICATION AND USAGE:

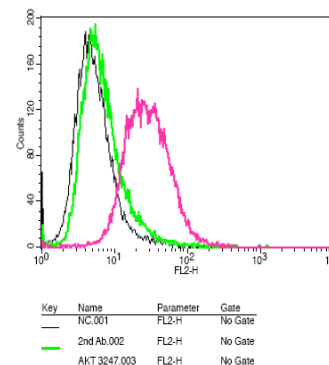
The antibody can be used for Western blotting (0.5-4 µg/ml). Mouse small intestine tissue lysate can be used as a positive control. Based on researchers feed back, the antibody also works well in immunoprecipitation (10-40 µg/ml), and immunohistochemistry (10-40 µg/ml). However, the optimal conditions should be determined individually.

STORAGE CONDITIONS:

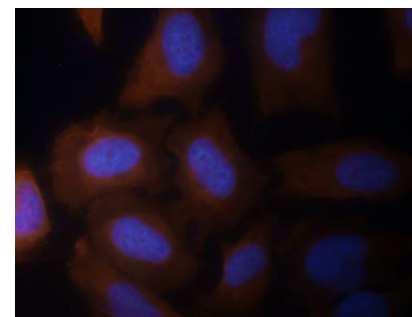
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.



Cat.# 3247-100
Western blot analysis of Akt expression in mouse small intestine tissue lysate.



FCM staining of HeLa cells using Akt Antibody



IFC staining of HeLa cells using Akt Antibody

RELATED PRODUCTS:

- Anti-Akt1 Rabbit Monoclonal Antibody (**Cat. No. A1117**)
- AKT1 Antibody (NT) (**Cat. No. 6745**)
- AKT1 Antibody (CT) (**Cat. No. 6744**)
- AKT1 (Thr308) Antibody (**Cat. No. 6742**)

FOR RESEARCH USE ONLY! Not to be used on humans.