# Anti-AKT1/2/3 [3B11-G8-B1] Monoclonal Antibody

**AGMB04336**

## Description

This Anti-AKT1/2/3 [3B11-G8-B1] Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

| | |
|---|---|
| **SKU:** | AGMB04336 |
| **Contents:** | 20µl, 50µl, 100µl<br>Bradford Reagent: 1 vial (2ml) |
| **Synonyms:** | AKT1/AKT2/AKT3, Pan-Akt |
| **Applications:** | WB IP |
| **Research Area:** | Signal Transduction |
| **Form:** | Liquid |

## Antibody Data

| | |
|---|---|
| **Reactivity:** | Human, Mouse, Rat |
| **Clone:** | 3B11-G8-B1 |
| **Clonality:** | Monoclonal Antibody |
| **SwissProt ID:** | P31749/P31751/Q9Y243 |
| **Immunogen:** | Purified recombinant human AKT1 protein fragments expressed in E.coli.AKT1 interacts (via the C-terminus) with CCDC88A (via its C-terminus). Interacts with GRB10; the interaction leads to GRB10 phosphorylation thus promoting YWHAE-binding By similarity. Interacts with AGAP2 (isoform 2/PIKE-A); the interaction occurs in the presence of |

guanine nucleotides. Interacts with AKTIP. Interacts (via PH domain) with MTCP1, TCL1A AND TCL1B. Interacts with CDKN1B; the interaction phosphorylates CDKN1B promoting 14-3-3 binding and cell-cycle progression. Interacts with MAP3K5 and TRAF6. Interacts with BAD, PPP2R5B, STK3 and STK4. Interacts (via PH domain) with SIRT1. Interacts with SRPK2 in a phosphorylation-dependent manner. Interacts with RAF1. Interacts with TRIM13; the interaction ubiquitinates AKT1 leading to its proteasomal degradation. Interacts with TNK2 and CLK2. Interacts (via the C-terminus) with THEM4 (via its C-terminus). Interacts with and phosphorylated by PDPK1.AKT2 interacts (via PH domain) with MTCP1, TCL1A AND TCL1B. Interacts with CLK2, PBH2 and TRAF6. AKT3 interacts (via PH domain) with TCL1A; this enhances AKT3 phosphorylation and activation. Interacts with TRAF6.

**Gene ID:** 207/208/10000

**Gene Name:** AKT1/AKT2/AKT3

**Host Species:** Mouse

**Isotype:** IgG1

**Purification:** Affinity Purified

**Conjugated:** Unconjugated

**Modification:** Unmodified

**Molecular Weight:** Calculated MW: 56 kDa, Observed MW: 60 kDa

## Preparation & Storage

**Storage:** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Store Bradford Reagent at Room Temperature for 1 Year.

**Storage Buffer:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

**Antibody Dilution Ratio:**

| Application | Antibody Dilution Ratio |
|---|---|
| WB | 1:500-1:1000 |
| IP | 1:20 |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol.