



Rabbit anti AKT1/PKBa(pT308) Polyclonal Antibody

Alternative Name(s): v-akt murine thymoma viral oncogene homolog 1; AKT, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA

Order Information

- **Description:** AKT1/PKBa(pT308)
- **Catalogue:** 600-210
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide containing the phospho-Thr308 motif (GATMKTFCG) of human AKT1.

BACKGROUND

Akt [also known as PKB (Protein kinase B) is a family of serine/threonine kinases that plays an important role in signal transduction. There are three known isoforms of Akt in mammalian cells [Akt1 (α), Akt2 (β) and Akt3 (γ)]; Akt is activated by insulin and growth and survival factors. Akt1 is phosphorylated at Thr308 and Ser473. Additionally, Akt has been referred to as an oncogene because it has increased activity in a number of tumors.

PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

The motif corresponding to the major autophosphorylation site of the human AKT1 kinase protein. This antibody does not cross react to the non-phosphorylated AKT1 or with other unrelated phosphorylated serine. Thr308 corresponds to GATMK in human, rat, mouse, chicken and canis of AKT/PKB proteins

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

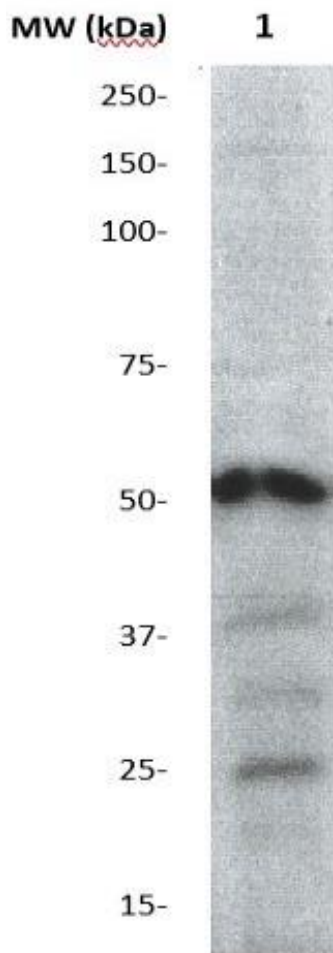
- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 65.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The whole celllysate derived from PDGF stimulated 3T3 was immunoprobed by Rabbit anti-AKT1(pT308) (Cat#600-210) at 1:1000. An immunoreactive band was observed around ~60 kDa.

REFERENCES

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