



Rabbit anti AKT1 (paried T308) 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 (paried T308)
- **Catalogue:** 620-580
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide KDGATMKTFCG of human AKT1. This sequence is identical to human, mice and rat

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 Epitope Affinity Purification

FORMULATION

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

SPECIFICITY

This antibody recognize AKT1 protein without phosphorylation site at Threonine 308. It does not cross react to the phosphorylated AKT1 at Thr308. The antigen motif corresponds to GATMKTFCG 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: 60.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

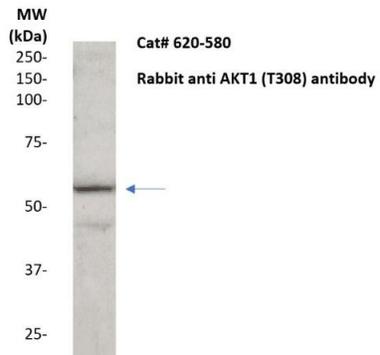
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The whole lysate derived from HeLa (20 ug/lane) immunoblotted by Rabbit anti – AKT1 (paired T308) (Cat# 620-580) at 1:500. Observed a major immunoreactive band at molecular weight ~60 kDa.

REFERENCES

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