



Rabbit anti AKT2/PKBb Polyclonal Antibody

Alternative Name(s): v-akt murine thymoma viral oncogene homolog 2; PKBB, PKBBETA, PRKBB, RAC-BETA

Order Information

- **Description:** AKT2/PKBb
- **Catalogue:** 600-230
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide corresponding to the epitope 455-469 aa of human AKT2 protein.

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 within the activation loop at threonine 308 and the C-terminus at serine 473 (S473). 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 only recognizes ~60 kDa of human AKT2, not AKT1 or AKT3. It also reacts with mouse and rat AKT2 protein. The other species are not tested.

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*

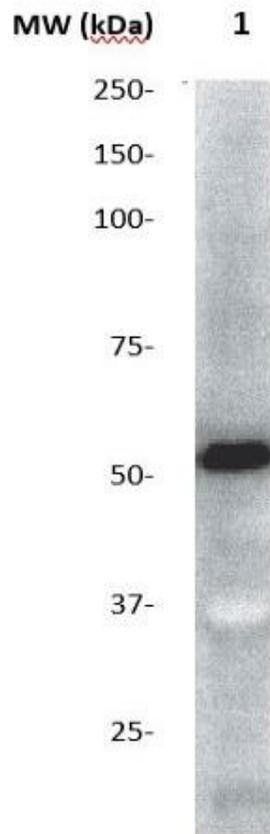
- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 60.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The cell lysate derived from HELA was immuno-blotted by Rabbit anti AKT2, (Cat#600-230) at 1:500. Observed a major immunoreactive band at molecular weight ~60 kDa.

REFERENCES

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