

AbboMax, Inc

Innovation at Work

Order Information

Description: Rabbit anti AKT1(pThr308)
Catalogue#: 600-210
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu/Rt/Ms

Rabbit anti Phosphospecific AKT1/PKB α (pThr³⁰⁸)

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

Site-directed adsorption and epitope affinity purification. This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.

STORAGE

The antibodies are stable for 12 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.

SPECIFICITY

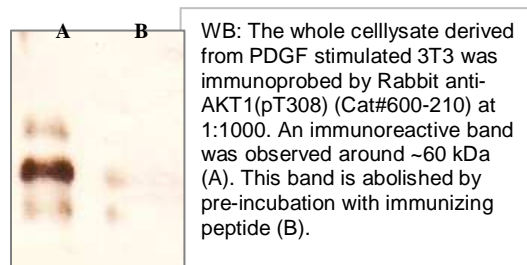
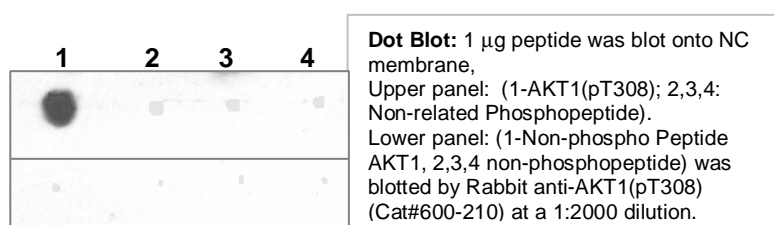
The motif corresponding to the major autophosphorylation site of the human AKT1 kinase protein. This antibody does not cross react to the non-phosphorylated AKT1 or with other unrelated phosphorylated serine. Thr308 corresponds to GATMK in human, rat, mouse, chicken and canis of AKT/PKB proteins

APPLICATIONS AND SUGGESTED WORKING DILUTIONS

Western Blot	0.1-0.2 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	1-2 $\mu\text{g/ml}$
Flow cytometry	N/A

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

MOLECULAR WEIGHT: ~60 kDa
POSITIVE CONTROL: PDGF-Treated 3T3 cell lysate.
CELLULAR LOCATION: cell cytoplasmic



FOR RESEARCH USE ONLY.