

For Research Use Only

# AKT3 Recombinant antibody

Catalog Number: 85769-4-RR



## Basic Information

Catalog Number:

85769-4-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16298

GenBank Accession Number:

BC121154

GeneID (NCBI):

10000

UNIPROT ID:

Q9Y243

Full Name:

v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)

Calculated MW:

465 aa, 54 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

250046E12

Recommended Dilutions:

WB: 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue

## Background Information

AKT3, also named as PKBG, is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. AKT3 is a key modulator of several tumors like melanoma, glioma and ovarian cancer. Active AKT3 increases progressively during melanoma tumor progression with highest levels present in advanced-stage metastatic melanomas.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

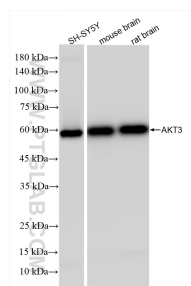
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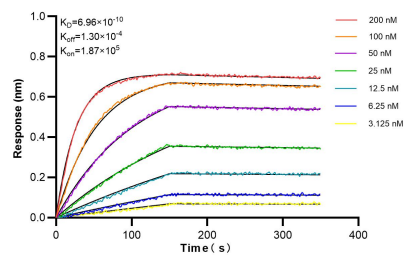
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85769-4-RR (AKT3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85769-4-RR against Human AKT3 were performed. The affinity constant is 0.696 nM.