AKT3 Recombinant antibody, PBS Only

Catalog Number:**85769-4-PBS**

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Basic Information

Catalog Number:
85769-4-PBS

Concentration:
1 mg/ml

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS only, pH7.3

Selected Validation Data
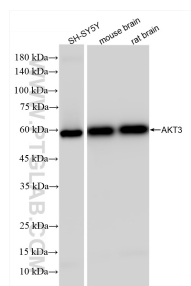
Various lysates were subjected to SDS PAGE followed by western blot with 85769-4-RR (AKT3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85769-4-PBS in a different storage buffer formulation.
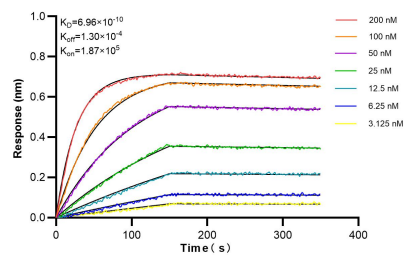
Biolayer interferometry (BLI) kinetic assays of 85769-4-RR against Human AKT3 were performed. The affinity constant is 0.696 nM.