

For Research Use Only

AKT3 Polyclonal antibody

Catalog Number: 21641-1-AP

13 Publications



Basic Information

Catalog Number:

21641-1-AP

Size:

150ul, Concentration: 760 ug/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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yang Yang	31515938	J Cell Mol Med	WB
Yong-Xia Wang	30186040	Cancer Cell Int	WB
Wei Sang	27329362	Cell Immunol	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

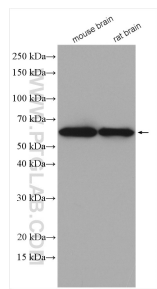
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21641-1-AP (AKT3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21641-1-AP (AKT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).