

For Research Use Only

AKT3 Polyclonal antibody

Catalog Number: 21641-1-AP **9 Publications**



Basic Information

Catalog Number: 21641-1-AP	GenBank Accession Number: BC121154	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 760 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10000	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	
Isotype: IgG	Calculated MW: 465 aa, 54 kDa	
Immunogen Catalog Number: AG16298	Observed MW: 60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : human kidney tissue, human tonsillitis tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

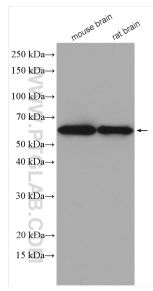
Storage

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

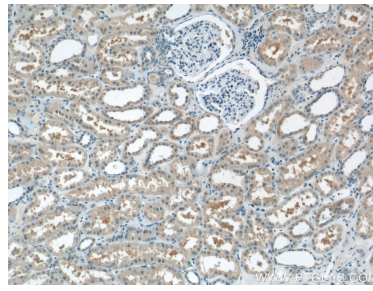
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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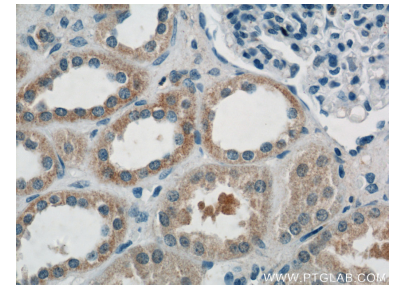
Selected Validation Data



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 kidney tissue slide using 21641-1-AP (AKT3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21641-1-AP (AKT3 Antibody) at dilution of 1:50 (under 40x lens).