

For Research Use Only

AKT Monoclonal antibody

Catalog Number: 60203-2-Ig

Featured Product

781 Publications



Basic Information

Catalog Number:

60203-2-Ig

GenBank Accession Number:

BC000479

Purification Method:

Protein G purification

Size:

150ul, Concentration: 2000 ug/ml by Nanodrop;

GeneID (NCBI):

207

CloneNo.:

2C5D1

Source:

Mouse

UNIPROT ID:

P31749

Recommended Dilutions:

WB: 1:5000-1:50000

Full Name:

v-akt murine thymoma viral oncogene homolog 1

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Isotype:

IgG1

IHC: 1:250-1:1000

Immunogen Catalog Number:

AG16695

Calculated MW:

56 kDa

IF/ICC: 1:200-1:800

Observed MW:

56-62 kDa

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Positive Controls:

WB: A549 cells, HEK-293 cells, mouse brain tissue, ROS1728 cells, LNCaP cells, Hela cells, Jurkat cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells

Cited Applications:

WB, IHC, IF, IP, CoIP

IP: mouse brain tissue,

Species Specificity:

human, mouse, rat

IHC: mouse lung tissue,

Cited Species:

human, mouse, rat, pig, rabbit, chicken, bovine, hamster, goat, duck

IF/ICC: MCF-7 cells,

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

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. This antibody detects all the members of AKT with/without phospho- modification.

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Yu	34585393	J Periodontol	WB
Wenbin Pei	34650433	Front Pharmacol	WB
YanHua Fan	36174847	Fitoterapia	WB

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

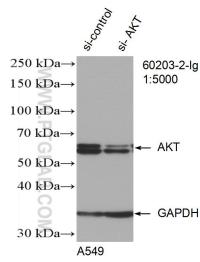
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

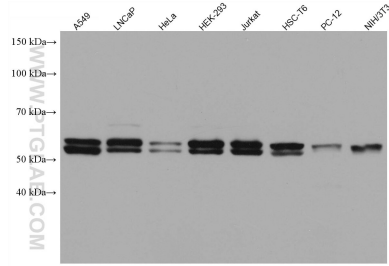
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

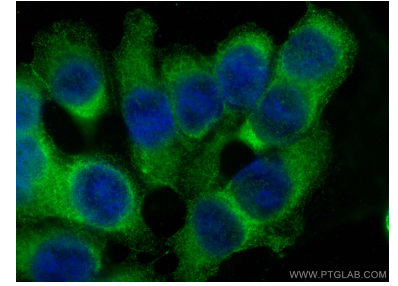
Selected Validation Data



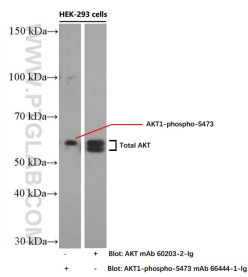
WB result of AKT antibody (60203-2-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AKT transfected A549 cells.



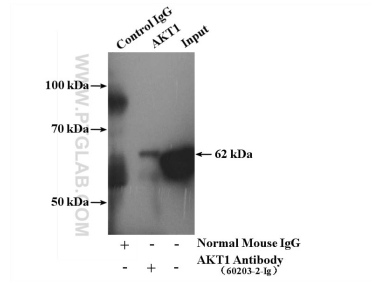
Various lysates were subjected to SDS PAGE followed by western blot with 60203-2-Ig (AKT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



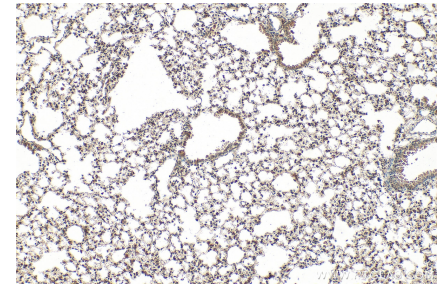
Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using AKT antibody (60203-2-Ig, Clone: 2C5D1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 60203-2-Ig (AKT Antibody) and 66444-1-Ig (AKT1-phospho-S473 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-AKT (IP:60203-2-Ig, 5ug; Detection:60203-2-Ig 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 60203-2-Ig (AKT antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).