

For Research Use Only

# AKT1/3 Monoclonal antibody

Catalog Number: 60203-1-Ig

Featured Product

59 Publications



## Basic Information

Catalog Number:

60203-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG16695

GenBank Accession Number:

BC000479

GeneID (NCBI):

207

UNIPROT ID:

P31749

Full Name:

v-akt murine thymoma viral  
oncogene homolog 1

Calculated MW:

56 kDa

Observed MW:

56-62 kDa

Purification Method:

Protein G purification

CloneNo.:

3G5E11

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0  $\mu$ g for 1.0-3.0 mg of total  
protein lysate

IHC 1:250-1:1000

IF/ICC 1:20-1:200

## Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, huamn

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

Positive Controls:

WB : HeLa cells, MCF-7 cells, rat liver tissue

IP : mouse brain tissue,

IHC : human breast cancer tissue, human cervical  
cancer tissue

IF/ICC : MCF-7 cells,

## Background Information

The serine-threonine protein kinase AKT 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 AKT, which then phosphorylates and inactivates components of the apoptotic machinery.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaojuan Peng	34753028	Phytomedicine	WB
Xinbo Wu	32914567	J Cell Mol Med	WB
Xi Chen	33174023	Mol Med Rep	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:

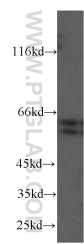
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

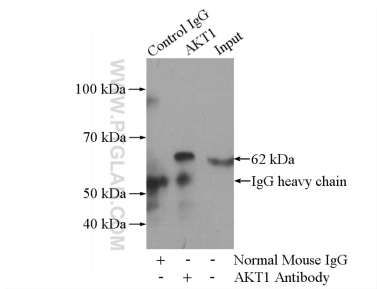
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

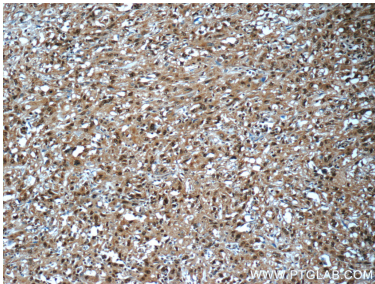


HeLa cells were subjected to SDS PAGE followed by western blot with 60203-1-Ig (AKT1/3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

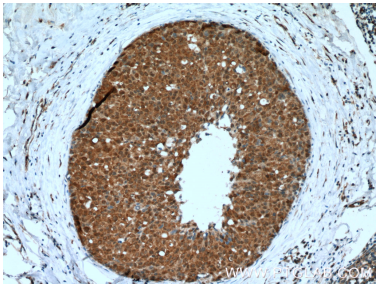
WB result of AKT1/3 antibody (60203-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AKT1/3 transfected MCF-7 cells.



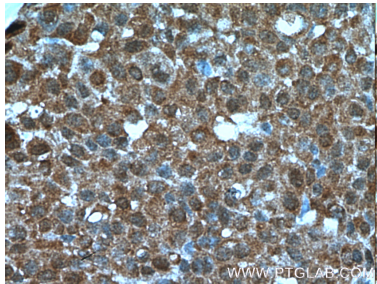
IP result of anti-AKT1/3 (IP:60203-1-Ig, 5ug; Detection:60203-1-Ig 1:600) with mouse brain tissue lysate 3440ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 60203-1-Ig (AKT1/3 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60203-1-Ig (AKT1/3 antibody at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60203-1-Ig (AKT1/3 antibody at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).