

## Allgemeine Informationen

## Katalog-Nr.:

60203-2-Ig

## Größe:

150ul, Konzentration: 2000 µg/ml von207

Nanodrop;

## Wirt:

Maus

## Isotyp:

IgG1

## Immunogen Katalognummer:

AG16695

## GenBank-Zugangsnummer:

BC000479

## GeneID (NCBI):

2C5D1

## Vollständiger Name:

v-akt murine thymoma viral oncogene homolog 1

## Berechnete Masse:

56 kDa

## Beobachtete Masse:

56-62 kDa

## Reinigungsmethode:

Protein-A-Reinigung

## CloneNo.:

2C5D1

## Empfohlene Verdünnungen:

WB 1:5000-1:50000  
IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:100-1:400

IF 1:10-1:100

## Anwendungen

## Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

## In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

## Getestete Reaktivität:

Human, Maus, Ratte

## Zitierte Arten:

Hamster, Huhn, Human, Maus, Ratte, Rind

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Positivkontrollen:

**WB:** A549-Zellen, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, LNCaP-Zellen, Maushirngewebe, NIH/3T3-Zellen, PC-12-Zellen, Rattenlebergewebe, RAW 264.7-Zellen, ROS1728-Zellen

**IP:** Maushirngewebe,

**IHC:** humanes Mammakarzinomgewebe, humanes Zervixkarzinomgewebe

**IF:** HeLa-Zellen,

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

## Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

## Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

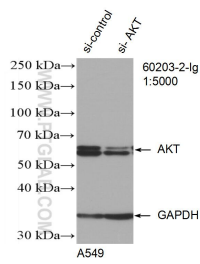
For technical support and original validation data for this product please contact:

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

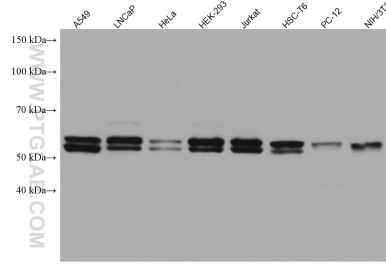
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

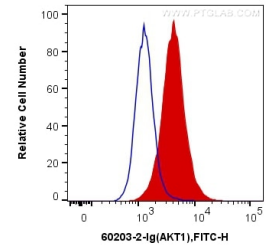
## Ausgewählte Validierungsdaten



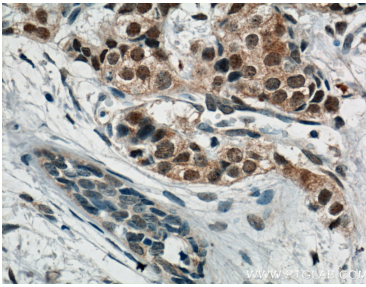
WB result of AKT antibody (60203-2-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AKT transfected A549 cells.



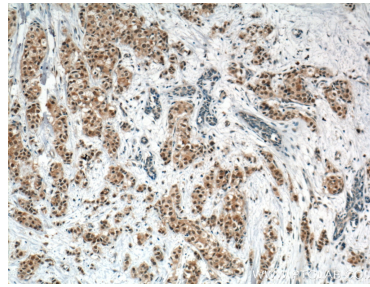
Various lysates were subjected to SDS PAGE followed by western blot with 60203-2-Ig (AKT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



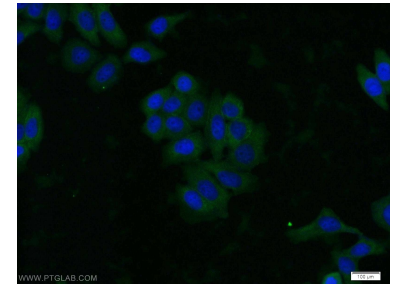
$1 \times 10^6$  Jurkat cells were intracellularly stained with 0.2  $\mu$ g Anti-Human AKT (60203-2-Ig, Clone: 2C5D1) and CoraLite<sup>®</sup> 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2  $\mu$ g Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



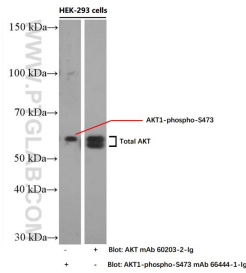
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60203-2-Ig (AKT Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



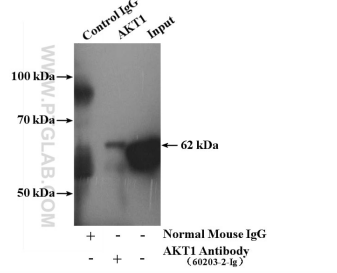
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60203-2-Ig (AKT Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 60203-2-Ig (AKT antibody) at dilution of 1:25 and Alexa Fluor 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, 5 $\mu$ g; Detection:60203-2-Ig 1:1000) with mouse brain tissue lysate 4000 $\mu$ g.