

Nur für Forschungszwecke

# Phospho-AKT (Ser473) Monoklonaler Antikörper



Katalog-Nr.: 66444-1-Ig

714 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66444-1-Ig	<b>GenBank-Zugangsnummer:</b> NM_005163	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul, Konzentration: 1500 µg/ml von207	<b>GeneID (NCBI):</b> v-akt murine thymoma viral oncogene homolog 1	<b>CloneNo.:</b> 1C10B8
<b>Nanodrop:</b>	<b>Vollständiger Name:</b> v-akt murine thymoma viral oncogene homolog 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:100-1:400
<b>Wirt:</b> Maus	<b>Beobachtete Masse:</b> 60-62 kDa	
<b>Isotyp:</b> IgG1		

## Anwendungen

### Geprüfte Anwendungen:

FC, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Hausschwein, Huhn, Human, Hund, Maus, Ratte, Zebrafisch

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

### Positivkontrollen:

**WB:** mit Calyculin A behandelte Jurkat-Zellen, mit Calyculin A behandelte HEK-293T-Zellen, Mit Calyculin A behandelte HEK-293-Zellen, mit Calyculin A behandelte HSC-T6-Zellen, mit Calyculin A behandelte NIH/3T3-Zellen, Mit Calyculin A behandelte PC-3-Zellen, mit TPA behandelte Jurkat-Zellen

**IHC:** humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe, mit Calyculin A behandelte Jurkat-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 phospho-modification at Ser473.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Wenzhong Peng	36274350	Tissue Cell	WB
Tong Li	33152931	Biomed Pharmacother	WB
Di Cui	36175877	BMC Cancer	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

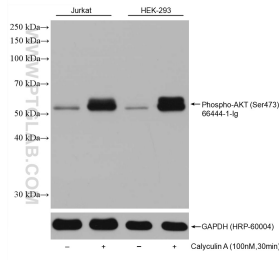
For technical support and original validation data for this product please contact:

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

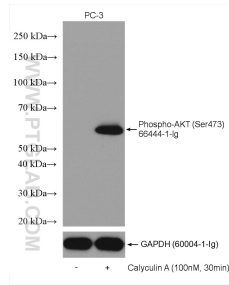
E: proteintech@ptglab.com  
W: ptglab.com

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

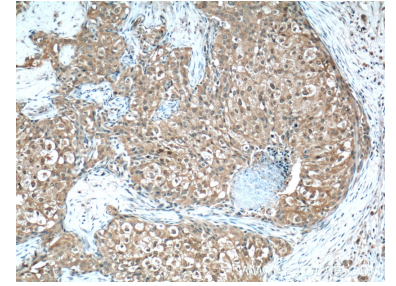
## Ausgewählte Validierungsdaten



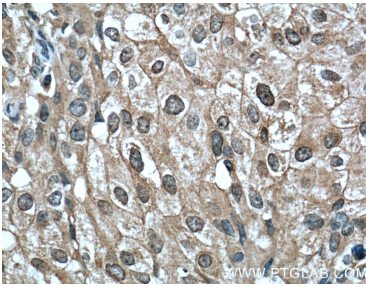
Non-treated Jurkat and HEK-293 cells and Calyculin A treated Jurkat and HEK-293 cells were subjected to SDS PAGE followed by western blot with 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



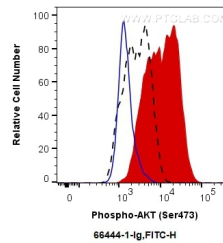
Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blot with GAPDH antibody as loading control.



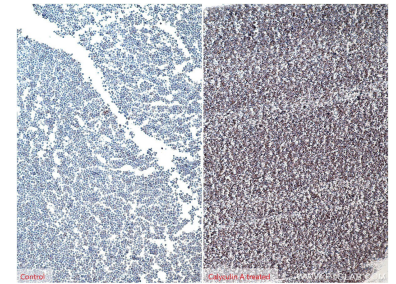
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66444-1-Ig (AKT-phospho-S473 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



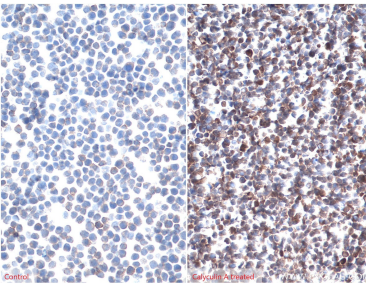
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66444-1-Ig (AKT-phospho-S473 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> PC-3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.5 ug Anti-Human Phospho-AKT (Ser473) (66444-1-Ig, Clone:1C10B8) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000, or 0.5 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.



Immunohistochemical analysis of paraffin-embedded untreated (left) or Calyculin A treated (right) Jurkat cells slide using 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded untreated (left) or Calyculin A treated (right) Jurkat cells slide using 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).