

Nur für Forschungszwecke

# AKT Polyklonaler Antikörper

Katalog-Nr.: 10176-2-AP

Vorgestelltes Produkt

928 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
10176-2-AP

Größe:  
150ul, Konzentration: 600 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG0213

GenBank-Zugangsnummer:  
BC000479

GeneID (NCBI):  
207

Vollständiger Name:  
v-akt murine thymoma viral  
oncogene homolog 1

Berechnete Masse:  
56 kDa

Beobachtete Masse:  
56-62 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:12000  
IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB  
IHC 1:50-1:500  
IF 1:50-1:500

## 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:

Fisch, Hamster, Hausschwein, Huhn, Human, Maus,  
Ratte, Rind, Ziege, Riesenscheibenbrasse  
(Megalobrama Amblycephala)

**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, C6-Zellen, HEK-293-Zellen, HeLa-  
Zellen, HepG2-Zellen, Maushirngewebe,  
Mauslebergewebe, MCF-7-Zellen, NIH/3T3-Zellen,  
Rattenhirngewebe

IP: HeLa-Zellen,

IHC: humanes Ovarialkarzinomgewebe, humanes  
Mammakarzinomgewebe

IF: HeLa-Zellen,

## Hintergrundinformationen

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. 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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yangmeng Zhao	36178125	Redox Rep	WB
Xiao-Feng Zhu	36180975	Phytother Res	WB
Tong Li	33152931	Biomed Pharmacother	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

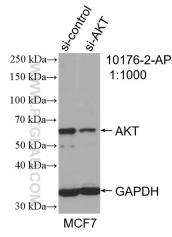
For technical support and original validation data for this product please contact:

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

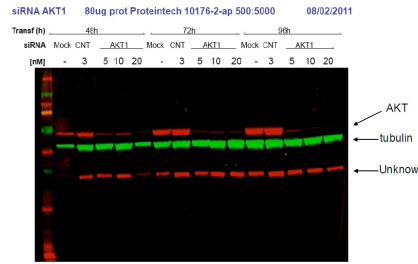
E: proteintech@ptglab.com  
W: ptglab.com

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

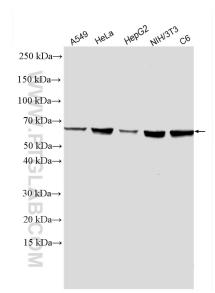
## Ausgewählte Validierungsdaten



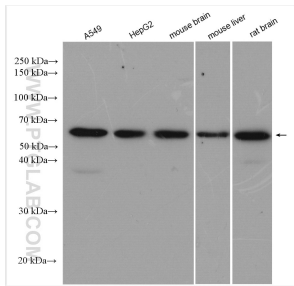
WB result of AKT antibody (10176-2-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AKT transfected MCF-7 cells.



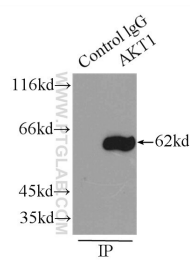
siRNA AKT1 result from Dr. Eva Martinez-Balibrea. Green:tubulin, Red:10176-2-AP, AKT1.



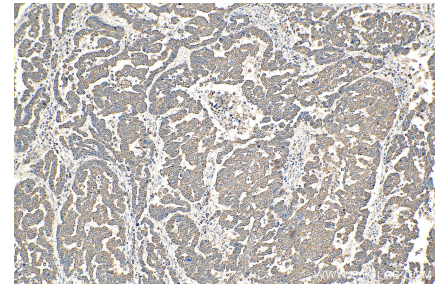
Various lysates were subjected to SDS PAGE followed by western blot with 10176-2-AP (AKT antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



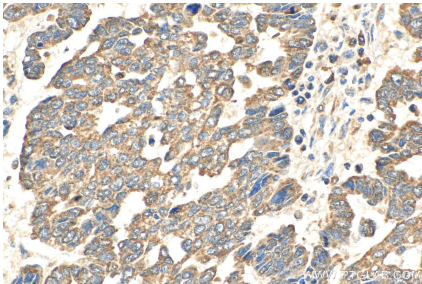
Various lysates were subjected to SDS PAGE followed by western blot with 10176-2-AP (AKT antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



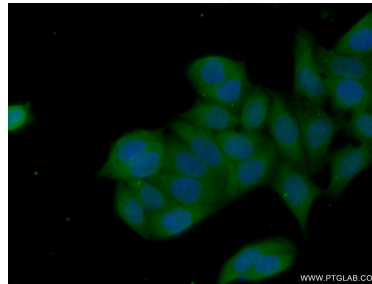
IP Result of anti-AKT1 (IP:10176-2-AP, 3ug; Detection:10176-2-AP 1:500) with HeLa cells lysate 2500ug.



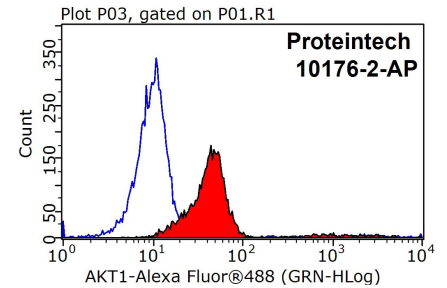
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10176-2-AP (AKT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10176-2-AP (AKT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 10176-2-AP (AKT1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  HeLa cells were stained with 0.2ug AKT1 antibody (10176-2-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.