

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 80816-1-RR	<b>GeneBank-Zugangsnummer:</b> BC000479	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von207 Nanodrop;	<b>GeneID (NCBI):</b> v-akt murine thymoma viral oncogene homolog 1	<b>CloneNo.:</b> 509
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> v-akt murine thymoma viral oncogene homolog 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 56 kDa	<b>FC</b>
<b>Immunogen Katalognummer:</b> AG0213	<b>Beobachtete Masse:</b> 56-62 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

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

### Positivkontrollen:

**WB** : HEK-293-Zellen, A549-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, NIH/3T3-Zellen, PC-12-Zellen, RAW 264.7-Zellen

**IHC** : humanes Ovarialkarzinomgewebe,

**FC** : Jurkat-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.

## 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**

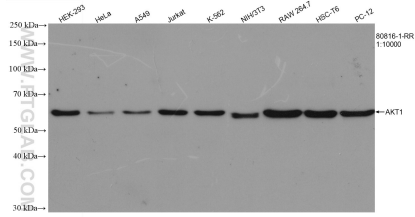
For technical support and original validation data for this product please contact:

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

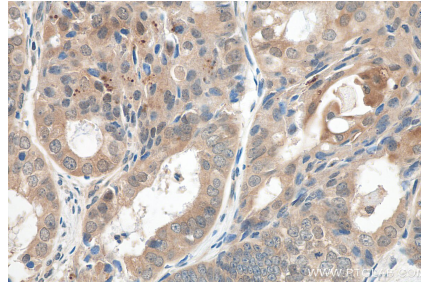
E: proteintech@ptglab.com  
W: ptglab.com

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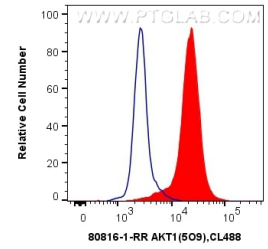
## Ausgewählte Validierungsdaten



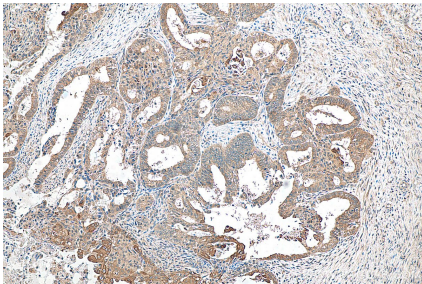
Various lysates were subjected to SDS PAGE followed by western blot with 80816-1-RR (AKT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 80816-1-RR (AKT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  Jurkat cells were intracellularly stained with 0.4  $\mu$ g Anti-Human AKT1 (80816-1-RR, Clone:509) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g control antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 80816-1-RR (AKT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).