

For Research Use Only

# CoraLite®488-conjugated AKT Monoclonal antibody



Catalog Number:CL488-60203

## Basic Information

<b>Catalog Number:</b> CL488-60203	<b>GenBank Accession Number:</b> BC000479	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100UL, Concentration: 1000 µg/ml by 207 Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> v-akt murine thymoma viral oncogene homolog 1	<b>CloneNo.:</b> 2C5D1
<b>Source:</b> Mouse	<b>Full Name:</b> v-akt murine thymoma viral oncogene homolog 1	<b>Recommended Dilutions:</b> IF 1:50-1:100
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 56 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm/515 nm
<b>Immunogen Catalog Number:</b> AG16695		

## Applications

<b>Tested Applications:</b> IF, ELISA	<b>Positive Controls:</b> IF : MCF-7 cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

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. This antibody is CL488(Ex/Em 488 nm/515 nm) conjugated.

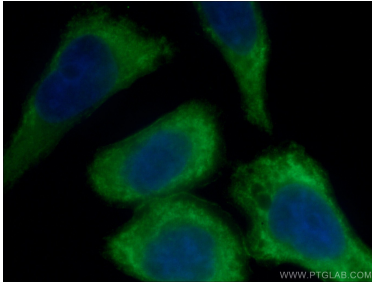
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using CL488-60203 (AKT antibody) at dilution of 1:50.