

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-AKT (Ser473) Monoclonal antibody



Catalog Number: **CL488-66444**

Featured Product

1 Publications

## Basic Information

Catalog Number:

CL488-66444

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM\_005163

GeneID (NCBI):

207

UNIPROT ID:

P31749

Full Name:

v-akt murine thymoma viral oncogene homolog 1

Observed MW:

60-62 kDa

Purification Method:

Protein A purification

CloneNo.:

1C10B8

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

WB

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells, Calyculin A treated HeLa cells

FC (Intra) : Calyculin A treated PC-3 cells, Calyculin A treated HEK-293T cells

## 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 phospho-modification at Ser473.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xinran Tang	39278435	Int J Biol Macromol	WB

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

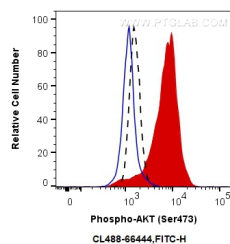
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

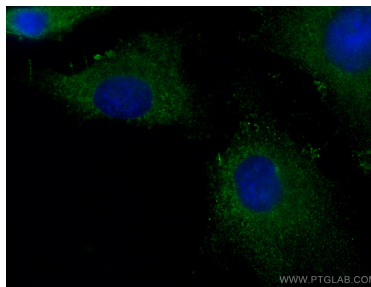
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> PC-3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Human Phospho-AKT (Ser473) (CL488-66444, Clone:1C10B8), or 0.25 ug Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Phospho-AKT (Ser473) antibody (CL488-66444, Clone: 1C10B8 ) at dilution of 1:200.