

For Research Use Only



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

Catalog Number: ~~CL488-66444~~

## Basic Information

Catalog Number: CL488-66444	GenBank Accession Number: NM_005163	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 207	CloneNo.: 1C10B8
Source: Mouse	UNIPROT ID: P31749	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: v-akt murine thymoma viral oncogene homolog 1	
	Observed MW: 60-62 kDa	

## Applications

Tested Applications:  
FC (Intra)

Species Specificity:  
human, mouse

## 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.

## Storage

Storage:  
Store at -20°C. Avoid exposure to light.

Storage Buffer:  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

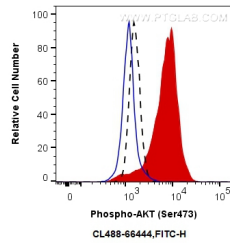
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W: [ptgcn.com](http://ptgcn.com)

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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  $\mu$ g CoraLite® Plus 488 Anti-Human Phospho-AKT (Ser473) (CL488-66444, Clone:1C10B8), or 0.25  $\mu$ g Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.