

For Research Use Only



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

Catalog Number: **CL488-66444**

## Basic Information

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

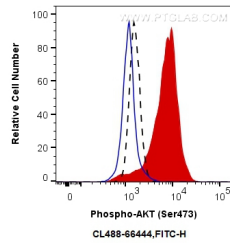
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## Selected Validation Data



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.