

For Research Use Only

# CoraLite®594-conjugated Phospho-AKT (Ser473) Monoclonal antibody

Catalog Number: CL594-66444

Featured Product



## Basic Information

Catalog Number:

CL594-66444

Size:

100ul, Concentration: 1000 ug/ml by 207

Nanodrop;

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

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## 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. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

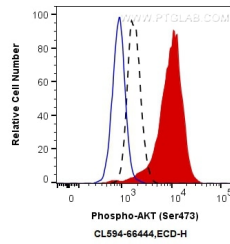
For technical support and original validation data for this product please contact:

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## Selected Validation Data



$1 \times 10^6$  PC-3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.25  $\mu$ g CoraLite®594 Anti-Human Phospho-AKT (Ser473) (CL594-66444, Clone:1C10B8), or 0.25  $\mu$ g Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.