

For Research Use Only

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



Catalog Number:CL594-66444

Basic Information

Catalog Number: CL594-66444	GenBank Accession Number: NM_005163	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 207	CloneNo.: 1C10B8
Source: Mouse	Full Name: v-akt murine thymoma viral oncogene homolog 1	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
IsoType: IgG1	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.

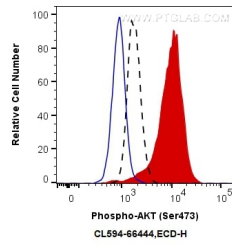
Aliquoting is unnecessary for -20° C storage

***** 20ul sizes contain 0.1% BSA**

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)
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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



1X10⁶ PC-3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.25 ug CoraLite® 594 Anti-Human Phospho-AKT (Ser473) (CL594-6644, Clone:1C10B8), or 0.25 ug Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.