

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

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

Recommended Dilutions:

IF/ICC 1:50-1:500

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

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

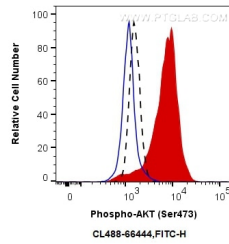
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

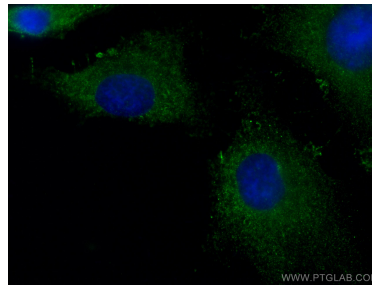
E: proteintech@ptglab.com
W: ptglab.com

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® 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.