

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-AKT1 (Ser473)



Numéro de catalogue: CL594-80462

Informations de base

Numéro de catalogue: CL594-80462	Numéro d'acquisition GenBank: NM_005163	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 207	CloneNo.: 2M10
Hôte: Lapin	Nom complet: v-akt murine thymoma viral oncogene homolog 1	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	MW observés: 56-62 kDa	

Applications

Applications testées:
FC (Intra)

Spécificité de l'espèce:
Humain, souris

Informations générales

AKT is a serine/threonine kinase and it participates in the key role of the PI3K signaling pathway. Phosphatidylinositol-3 kinase (PI3K) is the key regulator of AKT activation. The recruitment of inactive AKT protein to PIP3-rich areas of the plasma membrane results in a conformational change that exposes the activation loop of AKT. AKT's activating kinase, phosphoinositide-dependent protein kinase (PDK1), is also recruited to PIP3 microdomains. PDK1 phosphorylates AKT on threonine 308 (Thr308) of the exposed activation loop, activating AKT and leading to a second phosphorylation of AKT at serine 473 (Ser473) by a kinase presumed to be mTORC2 that further potentiates kinase activity. Active AKT will phosphorylate various downstream protein targets that control cell growth and translational control and act to suppress apoptosis. (PMID: 31594388, PMID: 30808672). 80462-1-RR specifically recognizes AKT1 phosphorylated at Ser473.

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière.

Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

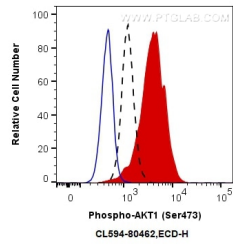
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Données de validation sélectionnées



1X10⁶ NIH/3T3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.25 ug CoraLite® 594 Anti-Human Phospho-AKT1 (Ser473) (CL594-80462, Clone:2M10), or 0.25 ug Control Antibody (Blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.