

À des fins de recherche uniquement

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



Numéro de catalogue: CL647-80462

Informations de base

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| Numéro de catalogue: CL647-80462 | 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: 654 nm / 674 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.

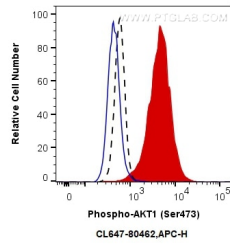
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



1X10⁶ NIH/3T3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug Coralite® Plus 647 Anti-Human Phospho-AKT1 (Ser473) (CL647-80462, Clone:2M10) (red), or 0.13 ug Control Antibody (Blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.