

Nur für Forschungszwecke

Phospho-AKT1 (Ser473) Rekombinanter Antikörper



Katalog-Nr.:CL647-80462

Allgemeine Informationen

Katalog-Nr.: CL647-80462	GenBank-Zugangsnummer: NM_005163	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von207	GeneID (NCBI): von207	CloneNo.: 2M10
Nanodrop;	Vollständiger Name: v-akt murine thymoma viral oncogene homolog 1	Anregungs-/Emissionsmaxima-Wellenlängen: 654 nm / 674 nm
Wirt: Kaninchen	Beobachtete Masse: 56-62 kDa	
Isotyp: IgG		

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human, Maus

Hintergrundinformationen

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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

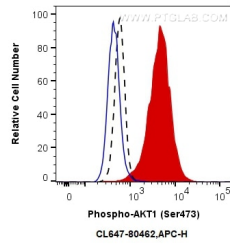
For technical support and original validation data for this product please contact:

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

Ausgewählte Validierungsdaten



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.