

Nur für Forschungszwecke

Phospho-AKT (Ser473) Rekombinanter Antikörper



Katalog-Nr.:CL555-80455

Allgemeine Informationen

Katalog-Nr.: CL555-80455	GenBank-Zugangsnummer: NM_005163	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von207	GeneID (NCBI): von207	CloneNo.: 2E17
Nanodrop;	Vollständiger Name: v-akt murine thymoma viral oncogene homolog 1	Anregungs-/Emissionsmaxima-Wellenlängen: 557 nm / 570nm
Wirt: Kaninchen	Beobachtete Masse: 58 kDa	
Isotyp: IgG		

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human

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)

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

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

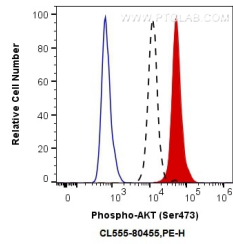
For technical support and original validation data for this product please contact:

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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



1×10^6 HEK-293 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 μg CoraLite®555 Anti-Human Phospho-AKT (Ser473) (CL555-80455, Clone:2E17), or 0.13 μg Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 80% MeOH.