

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-AKT (Ser473)



Numéro de catalogue: 28731-1-AP

66 Publications

Informations de base

Numéro de catalogue:

28731-1-AP

Taille:

100ul, Concentration: 430 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_005163

Identification du gène (NCBI):

207

Nom complet:

v-akt murine thymoma viral oncogene homolog 1

MW observés:

58 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:5000

Applications

Applications testées:

WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules PC-3 traitées à la calyculine A, cellules NIH/3T3 traitées au PDGF

Informations générales

Phosphorylation on Thr-308, Ser-473 and Tyr-474 is required for full activity. Activated TNK2 phosphorylates it on Tyr-176 resulting in its binding to the anionic plasma membrane phospholipid PA (PubMed:20333297). This phosphorylated form localizes to the cell membrane, where it is targeted by PDPK1 and PDPK2 for further phosphorylations on Thr-308 and Ser-473 leading to its activation (PubMed:9512493). Ser-473 phosphorylation by mTORC2 favors Thr-308 phosphorylation by PDPK1 (PubMed:21464307, PubMed:8978681). AKT1 Thr-308 and Ser-473 is Phosphorylated by IKBKE and TBK1 (PubMed:15718470, PubMed:18456494, PubMed:20481595, PubMed:8978681). Ser-473 phosphorylation is enhanced by interaction with AGAP2 isoform 2 (PIKE-A) (PubMed:14761976). Ser-473 phosphorylation is enhanced in focal cortical dysplasias with Taylor-type balloon cells (PubMed:17013611). Ser-473 phosphorylation is enhanced by signaling through activated FLT3 (By similarity). Ser-473 is dephosphorylated by PHLPP (PubMed:28147277) and Ser-473 by PP2A phosphatase (PubMed:21329884).

Publications notables

Autrice	Pubmed ID	Journal	Application
De-Wei Zhu	34658873	Front Pharmacol	WB
Dewei He	36139502	Cells	WB
Chunling Yuan	36095961	Biomed Pharmacother	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

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

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

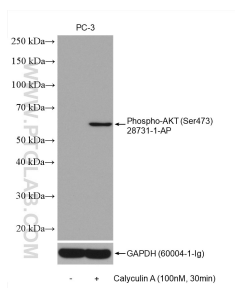
For technical support and original validation data for this product please contact:

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

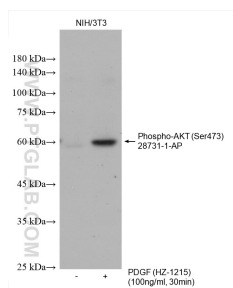
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28731-1-AP (Phospho-AKT (Ser473) antibody) at dilution of 1:3000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28731-1-AP (Phospho-AKT (Ser473) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.