

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-AKT1 (C-terminal)



Numéro de catalogue: 80457-1-RR

1 Publications

Informations de base

Numéro de catalogue: 80457-1-RR	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.: 4I5
Hôte: Lapin	Nom complet: v-akt murine thymoma viral oncogene homolog 1	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	MW observés: 56-62 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demands citées:

WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules HEK-293 traitées à la calyculine A, cellules HEK-293T, cellules HeLa, cellules HeLa traitées à la calyculine A, cellules HepG2 traitées à la calyculine A, cellules NIH/3T3, cellules NIH/3T3 traitées à la calyculine A

IHC : tissu de cancer du sein humain,

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). 80457-1-RR specifically recognizes AKT1.

Publications notables

Autrice	Pubmed ID	Journal	Application
Quancheng Cheng	35973363	Redox Biol	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.

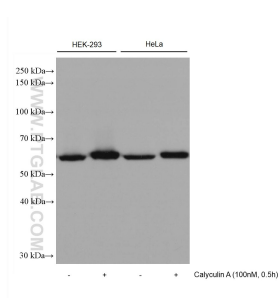
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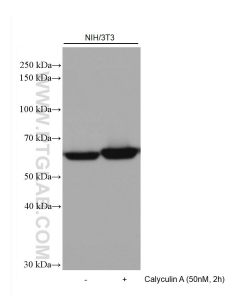
E: proteintech@ptglab.com
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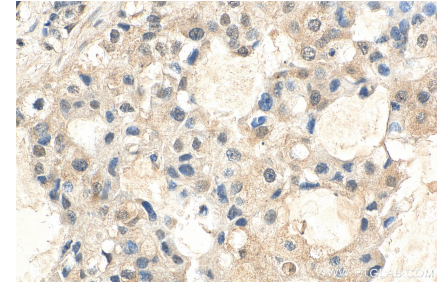
Données de validation sélectionnées



Non-treated and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 80457-1-RR (AKT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80457-1-RR (AKT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80457-1-RR (AKT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).