

À des fins de recherche uniquement

Anticorps Monoclonal anti-Phospho-AKT (Ser473)



Numéro de catalogue: 66444-1-Ig **763 Publications**

Informations de base

Numéro de catalogue: 66444-1-Ig	Numéro d'acquisition GenBank: NM_005163	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1500 µg/ml by Nanodrop;	Identification du gène (NCBI): 207	CloneNo.: 1C10B8
Hôte: Mouse	Nom complet: v-akt murine thymoma viral oncogene homolog 1	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:100-1:400
Isotype: IgG1	MW observés: 60-62 kDa	

Applications

Applications testées:

FC, IHC, WB, ELISA

Demandes citées:

FC, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

canin, Humain, Lapin, poisson-zèbre, porc, poulet, rat, 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 Jurkat traitées à la calyculine A, cellules HEK-293 traitées à la calyculine A, cellules HEK-293T traitées à la calyculine A, cellules HSC-T6 traitées à la calyculine A, cellules Jurkat traitées au TPA, cellules NIH/3T3 traitées à la calyculine A, cellules PC-3 traitées à la calyculine A

IHC : tissu de cancer du sein humain, cellules Jurkat traitées à la calyculine A, tissu de cancer du côlon humain

Informations générales

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. This antibody detects all the members of AKT with phospho-modification at Ser473.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wenzhong Peng	36274350	Tissue Cell	WB
Tong Li	33152931	Biomed Pharmacother	WB
Di Cui	36175877	BMC Cancer	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.**

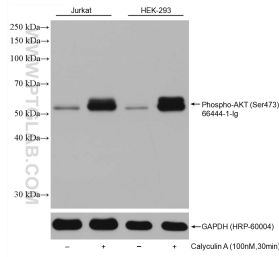
For technical support and original validation data for this product please contact:

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

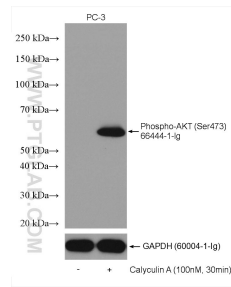
E: proteintech@ptglab.com
W: ptglab.com

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

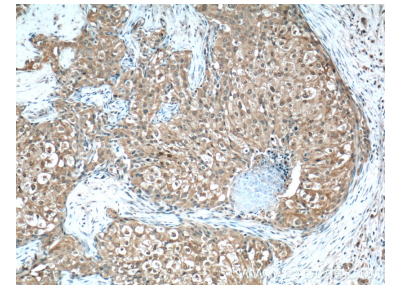
Données de validation sélectionnées



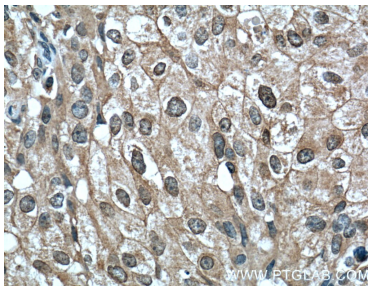
Non-treated Jurkat and HEK-293 cells and Calyculin A treated Jurkat and HEK-293 cells were subjected to SDS PAGE followed by western blot with 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



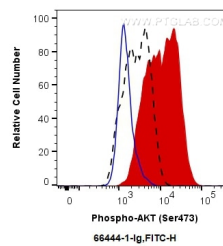
Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blot with GAPDH antibody as loading control.



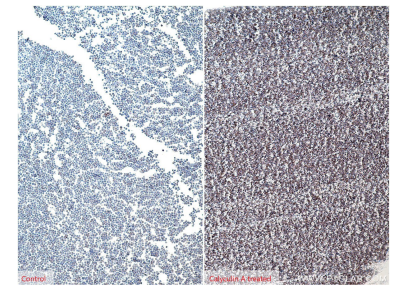
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66444-1-Ig (AKT-phospho-S473 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



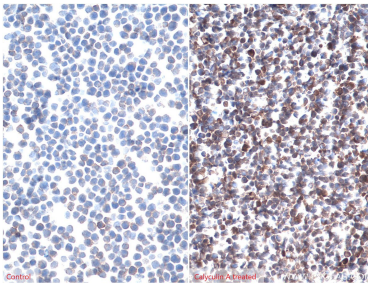
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66444-1-Ig (AKT-phospho-S473 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ PC-3 cells untreated (dashed line) or treated with Calyculin A (red) were intracellularly stained with 0.5 ug Anti-Human Phospho-AKT (Ser473) (66444-1-Ig, Clone:1C10B8) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000, or 0.5 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.



Immunohistochemical analysis of paraffin-embedded untreated (left) or Calyculin A treated (right) Jurkat cells slide using 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded untreated (left) or Calyculin A treated (right) Jurkat cells slide using 66444-1-Ig (Phospho-AKT (Ser473) antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).