

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PTEN



Numéro de catalogue: 22034-1-AP

Phare

144 Publications

Informations de base

Numéro de catalogue:

22034-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG17274

Numéro d'acquisition GenBank:

BC005821

Identification du gène (NCBI):

5728

Nom complet:

phosphatase and tensin homolog

MW calculé

47 kDa

MW observés:

55 kDa, 68 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:10000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:500-1:2000

Applications

Applications testées:

FC, IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

bovin, Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6.0.

Contrôles positifs:

WB : cellules DU 145, cellules C6, cellules HEK-293T, cellules HeLa, cellules Jurkat, cellules LNCaP, cellules MCF-7, cellules NIH/3T3, tissu de thymus de souris, tissu testiculaire de rat, tissu testiculaire de souris

IP : cellules DU 145,

IHC : tissu de cancer du sein humain, tissu cérébral de souris, tissu de cancer de la prostate humaine, tissu de cancer du côlon humain, tissu testiculaire humaine

Informations générales

PTEN(Phosphatase and tensin homolog) is also named as MMAC1, TEP1 and it modulates cell cycle progression and cell survival (blockage) through down-regulating the positive cell cycle-regulator (cycle D1) by its phosphatase activity and up-regulating the negative cell cycle regulator p21 (by its lipid phosphatase activity). PTEN is an important tumor suppressor whose inactivation frequency in cancers is ranked second after p53 tumor suppressor inactivation. PTEN is a 403-residue protein structured in an amino (N)-terminal phosphatase domain and a carboxy (C)-terminal C2 domain that binds phospholipid membranes.(PMID:14749127). There are some report showing that SUMOylation appears to be a positive regulator in controlling PTEN membrane association, whereas phosphorylation is a negative regulator that may neutralize SUMOylation through intramolecular electrostatic interactions (PMID:22713753). This antibody can recognize two isoforms with MW of 55kDa and 68 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jing Zhao	32986180	Biotechnol Lett	WB
XIAOYUE FENG	34528694	Oncol Rep	WB,IHC
Shuchao Wang	30240910	Ann Anat	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

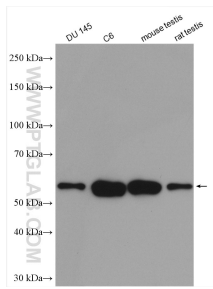
For technical support and original validation data for this product please contact:

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

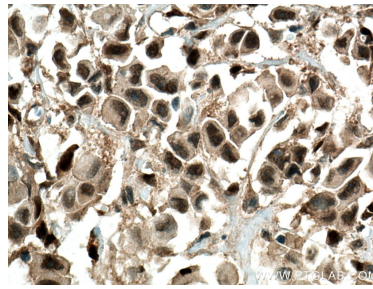
E: proteintech@ptglab.com
W: ptglab.com

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

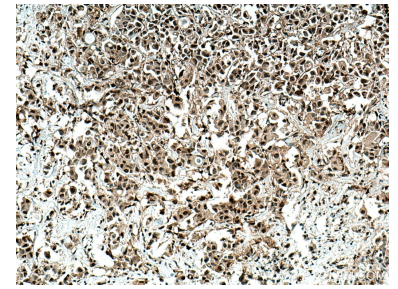
Données de validation sélectionnées



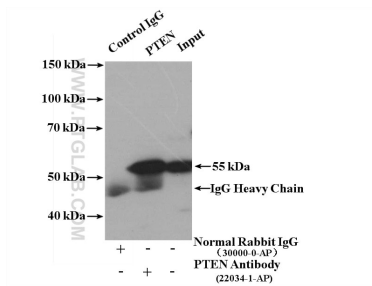
Various lysates were subjected to SDS PAGE followed by western blot with 22034-1-AP (PTEN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



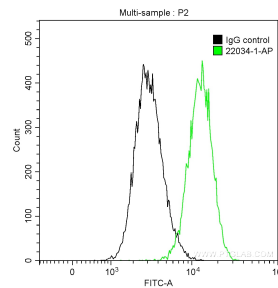
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22034-1-AP (PTEN antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22034-1-AP (PTEN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PTEN (IP:22034-1-AP, 4ug; Detection:22034-1-AP 1:500) with DU 145 cells lysate 1800 ug.



1x10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human PTEN (22034-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH .