

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PICK1



Numéro de catalogue: 10983-2-AP

Phare

8 Publications

## Informations de base

Numéro de catalogue:  
10983-2-AP

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

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG1443

Numéro d'acquisition GenBank:  
BC017561

Identification du gène (NCBI):  
9463

Nom complet:  
protein interacting with PRKCA 1

MW calculé  
47 kDa

MW observés:  
50-55 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:1000-1:5000  
IP 0.5-4.0 ug for IP and 1:500-1:1000  
for WB  
IHC 1:50-1:500  
IF 1:20-1:200

## Applications

Applications testées:  
IF, IHC, IP, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, souris

Contrôles positifs:

WB : cellules LNCaP, cellules SH-SY5Y, tissu cérébral  
de rat, tissu cérébral de souris, tissu cérébral humain

IP : tissu cérébral de souris,

IHC : tissu de cancer de l'estomac humain,

IF : cellules HEK-293,

**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.**

## Informations générales

Protein interacting with C kinase 1 (PICK1) was first cloned as a PKC-binding partner through yeast two hybrid system. PICK1 acts as a critical regulator of membrane receptors' subcellular trafficking to modulate neural processes such as learning and memory, and is widely expressed in brain, testis, heart, lung, liver, kidney and muscle. It probably binds to and organize the subcellular localization of a variety of membrane proteins containing some PDZ recognition sequence, for instance, PICK1 is a critical mediator of  $\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor (AMPA) trafficking in neural synapses. PICK1 expression on D-serine release and glutamate transport in astrocytes suggests a potential implication of PICK1 in the progression of amyotrophic lateral sclerosis (ALS). PICK1 may also participate in breast cancer development through inhibition of TGF- $\beta$  signaling.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Bingling Dai	27460008	Oncol Rep	
Lixiao Zhou	35381522	Environ Int	WB
Qian Dou	34307672	Biomed Res Int	IHC, IF

## 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.

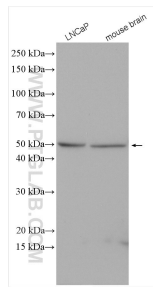
For technical support and original validation data for this product please contact:

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

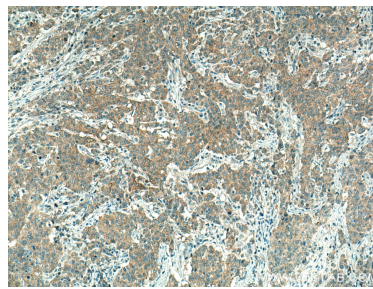
E: proteintech@ptglab.com  
W: ptglab.com

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

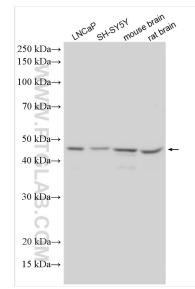
## Données de validation sélectionnées



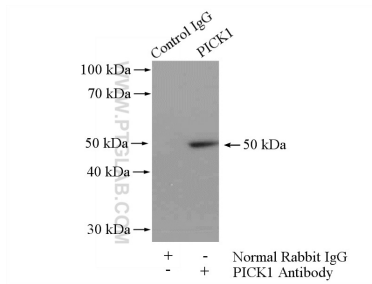
Various lysates were subjected to SDS PAGE followed by western blot with 10983-2-AP (PICK1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



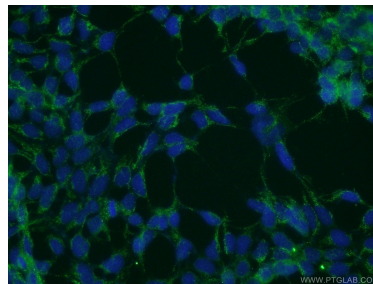
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 10983-2-AP (PICK1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 10983-2-AP (PICK1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP Result of anti-PICK1 (IP:10983-2-AP, 4 $\mu$ g; Detection:10983-2-AP 1:500) with mouse brain tissue lysate 4400 $\mu$ g.



Immunofluorescent analysis of HEK-293 cells using 10983-2-AP (PICK1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).