

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-IA-2/PTPRN



Numéro de catalogue: 10584-1-AP

4 Publications

## Informations de base

Numéro de catalogue:

10584-1-AP

Taille:

150ul, Concentration: 240 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG0923

Numéro d'acquisition GenBank:

BC007713

Identification du gène (NCBI):

5798

Nom complet:

protein tyrosine phosphatase, receptor type, N

MW calculé

105 kDa

MW observés:

60-65 kDa, 106-115 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

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

IHC 1:20-1:200

IF 1:50-1:500

## Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain

**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 : tissu cérébral de souris, cellules HEK-293, tissu cérébral de rat, tissu rénal de souris

IP : tissu cérébral de souris,

IHC : tissu de cancer du pancréas humain,

IF : tissu pancréatique de souris,

## Informations générales

IA-2/PTPRN is a member of the protein tyrosine phosphatase (PTP) family, which contains a transmembrane region, an intracellular PTP-like domain and an extracellular N-terminus. Experiments found that IA-2/PTPRN localizes to secretory granules and is exclusively expressed in neuroendocrine cells (including pancreatic islets cell). (PMID: 10027571). IA-2/PTPRN was found to be a major autoantigen in insulin-dependent diabetes mellitus and the detection of autoantibodies against IA-2/PTPRN is commonly used as a diabetes diagnosis marker.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Chengfeng Merriman	31591269	J Biol Chem	WB
Felipe de Jesus Cortez	33186361	PLoS One	
Guangyan Zhangyuan	29742497	Cell Physiol Biochem	IHC

## 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.

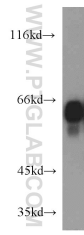
For technical support and original validation data for this product please contact:

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

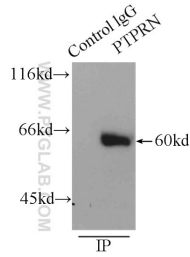
E: proteintech@ptglab.com  
W: ptglab.com

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

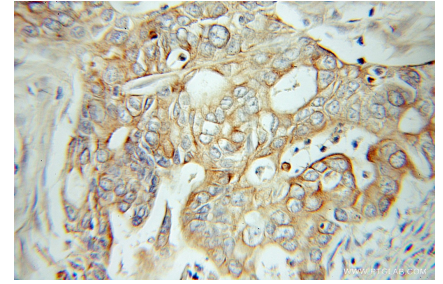
## Données de validation sélectionnées



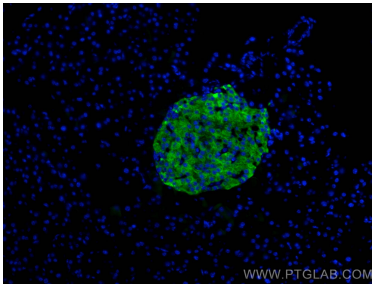
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10584-1-AP (IA-2/PTPRN antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



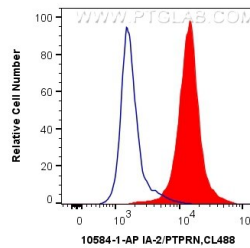
IP Result of anti-IA-2/PTPRN (IP:10584-1-AP, 3ug; Detection:10584-1-AP 1:600) with mouse brain tissue lysate 7000ug.



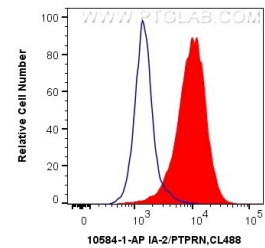
Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10584-1-AP (IA-2/PTPRN antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using IA-2/PTPRN antibody (10584-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human IA-2/PTPRN (10584-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10<sup>6</sup> Y79 cells were intracellularly stained with 0.4 ug Anti-Human IA-2/PTPRN (10584-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).