

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-GAD65



Numéro de catalogue: 21760-1-AP

4 Publications

## Informations de base

Numéro de catalogue:

21760-1-AP

Taille:

150ul, Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG16251

Numéro d'acquisition GenBank:

BC126327

Identification du gène (NCBI):

2572

Nom complet:

glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)

MW calculé

585 aa, 65 kDa

MW observés:

65 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:100-1:3000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

IF 1:200-1:800

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, 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 : tissu cérébral de souris, tissu cérébral de rat, tissu cérébral de rat, tissu de cervelet de souris

IP : tissu cérébral de rat,

IHC : tissu cérébral de souris, tissu de côlon humain

IF : cellules HeLa, tissu cérébral de souris

## Informations générales

GAD2, also named as GAD65, belongs to the group II decarboxylase family. GAD2 catalyzes the production of GABA. It is responsible for the synthesis of the essential neurotransmitter gamma-aminobutyric acid (GABA) from L-glutamic acid. GAD2 is expressed in nervous and endocrine systems and are thought to be involved in synaptic transmission and INS secretion. Autoantibodies against GAD2 may serve as markers for type I diabetes. Many individuals suffering from an adult onset disorder known as Stiff Person Syndrome (SPS) also express autoantibodies to GAD2. The antibody is specific to GAD2.

## Publications notables

| Autrice        | Pubmed ID | Journal           | Application |
|----------------|-----------|-------------------|-------------|
| Yue Li         | 29031852  | Neuropharmacology | WB          |
| Mehdi Eshraghi | 32426479  | Sci Adv           | WB          |
| Sitong Li      | 35288204  | Neurosci Lett     | 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.

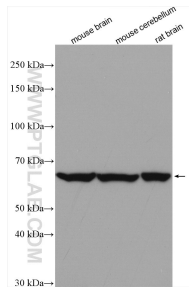
For technical support and original validation data for this product please contact:

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

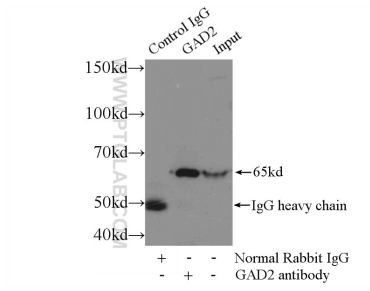
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

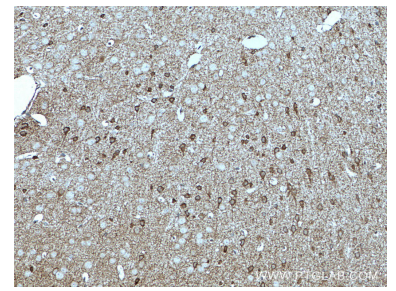
## Données de validation sélectionnées



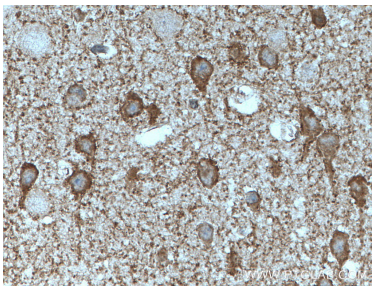
Various lysates were subjected to SDS PAGE followed by western blot with 21760-1-AP (GAD65 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



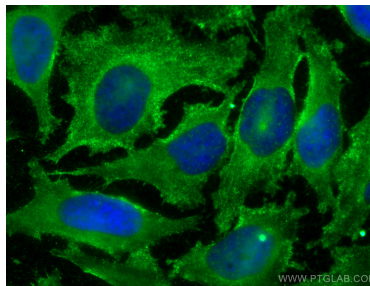
IP Result of anti-GAD65 (IP:21760-1-AP, 3ug; Detection:21760-1-AP 1:300) with rat brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21760-1-AP (GAD65 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 mouse brain tissue slide using 21760-1-AP (GAD65 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GAD65 antibody (21760-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).