

Allgemeine Informationen

Katalog-Nr.:
20746-1-AP

Größe:

150ul, Konzentration: 750 µg/ml von Nanodrop und 547 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_000818

GeneID (NCBI):

2572

Vollständiger Name:

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

Berechnete Masse:

65 kDa

Beobachtete Masse:

65 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:3000-1:20000

IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB

IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: Maushirngewebe, Rattenhirngewebe

IP: Maushirngewebe,

IF: HeLa-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yueqin Liu	33344711	Neurobiol Stress	WB
Hongru Yang	35618610	Adv Sci (Weinh)	WB
Ken Chen	31015358	Clin Sci (Lond)	IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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

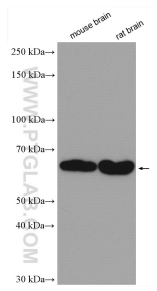
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

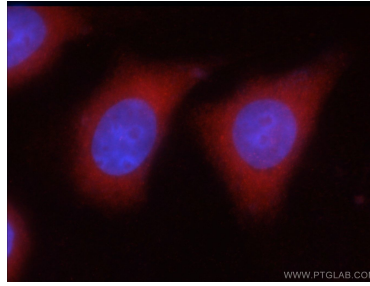
W: ptglab.com

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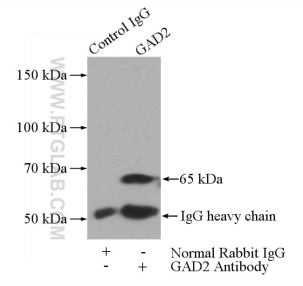
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 20746-1-AP (GAD65 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 20746-1-AP (GAD65 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



IP Result of anti-GAD65 (IP:20746-1-AP, 4ug; Detection:20746-1-AP 1:1000) with mouse brain tissue lysate 3440ug.