Nur für Forschungszwecke

GFAP Polyklonaler Antikörper

Katalog-Nr.:23935-1-AP Vorgestelltes Produkt 10 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
23935-1-AP

Größe:
150ul , Konzentration: 800 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG20853

GenBank-Zugangsnummer:
BC013596

GeneID (NCBI):
2670

Vollständiger Name:
glial fibrillary acidic protein

Berechneté Masse:
432 aa, 50 kDa

Beobachteté Masse:
45-50 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
IHC 1:20-1:200
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte, Makake

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : U-251-Zellen, Maushirngewebe, Rattenhirngewebe

IP : Maushirngewebe,

IHC : Maushirngewebe, humanes Gliomgewebe

IF : Maushirngewebe, Rattenhirngewebe

Hintergrundinformationen

GFAP (Glial fibrillary acidic protein) is a type III intermediate filament (IF) protein specific to the central nervous system (CNS). GFAP is one of the main components of the intermediate filament network in astrocytes and has been proposed as playing a role in cell migration, cell motility, maintaining mechanical strength, and in mitosis. GFAP is expressed in central nervous system cells, predominantly in astrocytes. GFAP is commonly used as an astrocyte marker. However, GFAP is also present in peripheral glia and in non-CNS cells, including fibroblasts, chondrocytes, lymphocytes, and liver stellate cells (PMID: 21219963).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Pengyi Zhou	36260151	J Mol Histol	IF,WB
Shadan S Yarandi	33137166	PLoS One	IF
Dongdong Wang	33819195	Aging (Albany NY)	WB

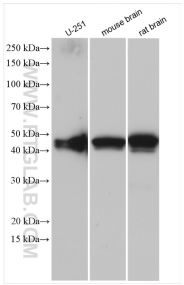
Lagerung

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

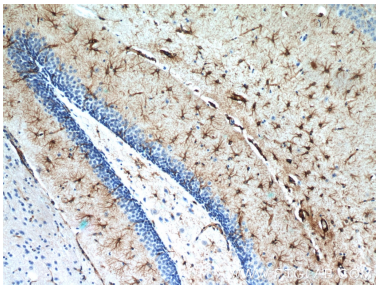
*** 20ul-Größen enthalten 0.1% BSA

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

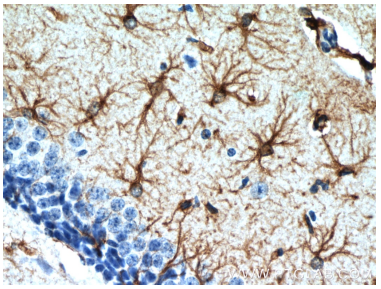
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 23935-1-AP (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain slide using 23935-1-AP (GFAP Antibody) at dilution of 1:50.



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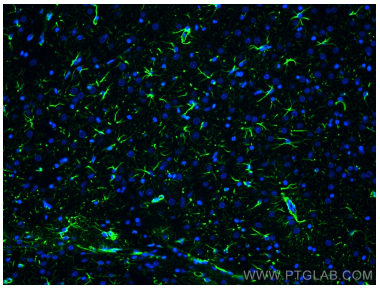
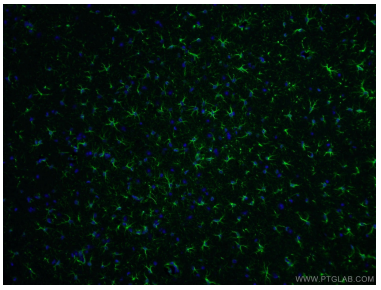


Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GFAP antibody (23935-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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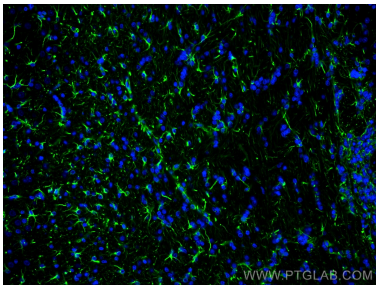

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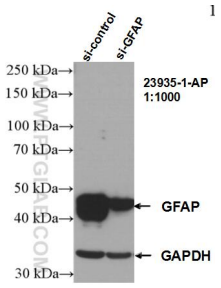
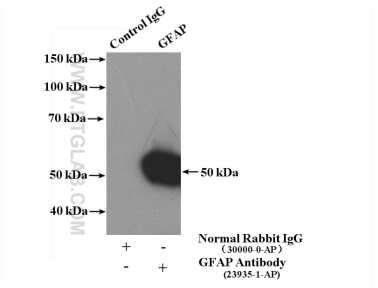


WB result of GFAP antibody (23935-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GFAP transfected U-251 cells.



IP Result of anti-GFAP (IP:23935-1-AP, 4ug; Detection:23935-1-AP 1:1000) with mouse brain tissue lysate 4000ug.