

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GAP43



Numéro de catalogue: 16971-1-AP

41 Publications

Informations de base

Numéro de catalogue:
16971-1-AP

Taille:
150ul, Concentration: 800 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG9294

Numéro d'acquisition GenBank:
BC007936

Identification du gène (NCBI):

2596
Nom complet:
growth associated protein 43

MW calculé
238 aa, 25 kDa

MW observés:
43 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:10000
IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
canin, Humain, poisson-zèbre, rat, souris, Hamster

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, tissu cérébral de rat, tissu pulmonaire de rat

IP : tissu cérébral de souris,

IHC : tissu cérébral de souris,

IF : tissu cérébral de souris,

Informations générales

The neuronal growth-associated protein GAP43 is also known as neuromodulin, B-50, P-57, F1 and pp46. Deficiency of GAP43 in mice results in death early in the postnatal period. GAP43 is one of the main substrates for protein kinase C in the brain. GAP43 is an intracellular growth-associated protein that appears to assist neuronal pathfinding and branching during development and regeneration, and may contribute to presynaptic membrane changes in the adult, leading to the neurotransmitter release, endocytosis and synaptic vesicle recycling, long-term potentiation, spatial memory formation, and learning. The predicated molecular weight of about 25 kDa is much lower than the apparent observed molecular weight of 43 kDa on SDS-PAGE gels, and this occurs because the highly charged nature of GAP43 causes it to bind less than the average amount of SDS per amino acid, and because the protein has an elongated structure.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xiaoyin Liu	36246376	Front Bioeng Biotechnol	IF
Fei Yao	36163271	Inflamm Regen	IF
Fei Yin	25374587	Neural Regen Res	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.

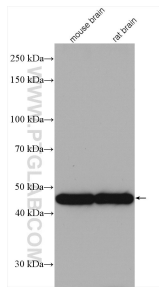
For technical support and original validation data for this product please contact:

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

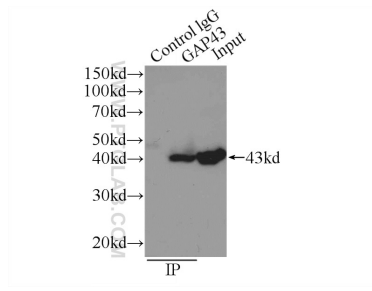
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



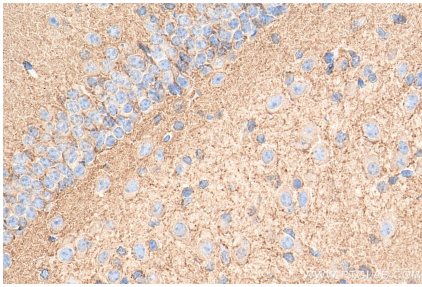
Various lysates were subjected to SDS PAGE followed by western blot with 16971-1-AP (GAP43 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



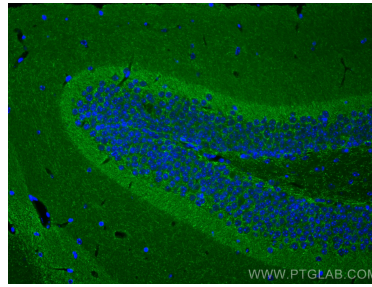
IP Result of anti-GAP43 (IP:16971-1-AP, 4ug; Detection:16971-1-AP 1:500) with mouse brain tissue lysate 6000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16971-1-AP (GAP43 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 16971-1-AP (GAP43 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GAP43 antibody (16971-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).