

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-STMN4



Numéro de catalogue: 12027-1-AP

2 Publications

Informations de base

Numéro de catalogue:

12027-1-AP

Taille:

150ul, Concentration: 750 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG2657

Numéro d'acquisition GenBank:

BC011520

Identification du gène (NCBI):

81551

Nom complet:

stathmin-like 4

MW calculé

216 aa, 25 kDa

MW observés:

22-30 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

IF, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

souris

Contrôles positifs:

WB : tissu cérébral humain, tissu cérébral de rat

IP : tissu cérébral de souris,

IHC : tissu de gliome humain, tissu cérébral 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.

Informations générales

RB3 (Stathmin-4), encoded by STMN4 gene, is a neuron-specific homologue of the SCG10/stathmin family proteins, possessing a unique N-terminal membrane-associated domain and the stathmin-like domain at the C terminus, which promotes microtubule (MT) catastrophe and/or tubulin sequestering. Stathmin is a ubiquitous cytosolic phosphoprotein, preferentially expressed in the nervous system, and described as a relay integrating diverse intracellular signaling pathways. RB3 is consistently up-regulated in differentiated neuroblastoma cells, and stable expression of transfected RB3 could induce differentiation, suggesting a role of RB3 during neuroblastoma differentiation. Moreover, increased RB3 is a unique response protein in the stathmin-related proteins following optical nerve axotomy and RB3 may be a critical target for neurodegenerative diseases. STMN4 has 4 isoforms with MW 25, 23, 22 and 19 kDa (refer to UniProt). Another 30 kDa isoform can be found by NCBI Protein Blast. (https://www.ncbi.nlm.nih.gov/protein/XP_005273709)

Publications notables

Autrice	Pubmed ID	Journal	Application
Kelsey L Krus	35767949	Cell Rep	WB
Tuan Vo	37127652	Genome Med	IF

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.

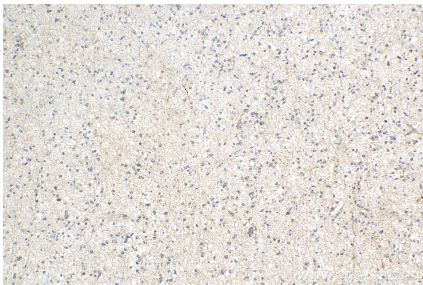
For technical support and original validation data for this product please contact:

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

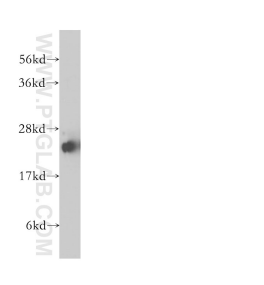
E: proteintech@ptglab.com
W: ptglab.com

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

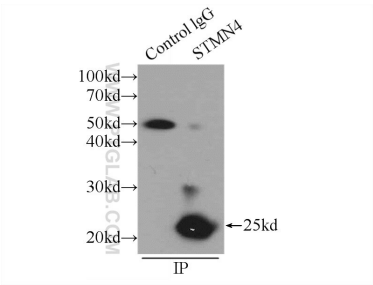
Données de validation sélectionnées



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12027-1-AP (STMN4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human brain tissue were subjected to SDS PAGE followed by western blot with 12027-1-AP (STMN4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-STMN4 (IP:12027-1-AP, 3ug; Detection:12027-1-AP 1:1000) with mouse brain tissue lysate 6000ug.