

STMN4 Polyklonaler Antikörper

Katalog-Nr.: 12027-1-AP

2 Publikationen

Allgemeine Informationen

Katalog-Nr.: 12027-1-AP	GenBank-Zugangsnummer: BC011520	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 750 µg/ml von Nanodrop und 413 µg/ml durch die Bradford-Methode mit BSA als Standard;	GenID (NCBI): 81551	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: stathmin-like 4	
Isotyp: IgG	Berechnete Masse: 216 aa, 25 kDa	
Immunogen Katalognummer: AG2657	Beobachtete Masse: 22-30 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, IP, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: IF, WB	WB : humanes Hirngewebe, Rattenhirngewebe
Getestete Reaktivität: Human, Maus, Ratte	IP : Maushirngewebe,
Zitierte Arten: Maus	IHC : humanes Gliomgewebe, humanes Hirngewebe
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

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

Lagerung

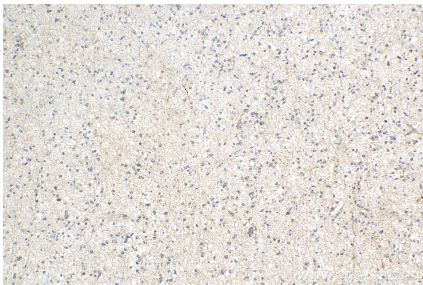
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

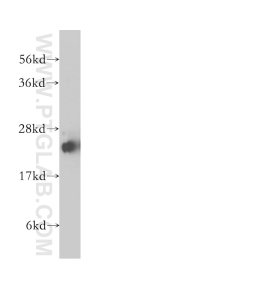
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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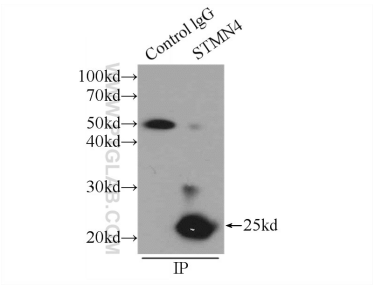
Ausgewählte Validierungsdaten



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.