## For Research Use Only

## STMN4 Polyclonal antibody Catalog Number:12027-1-AP 3 Publications



Basic Information	Catalog Number: 12027-1-AP	GenBank Accession Number: BC011520	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):	Recommended Dilutions:
	750 µg/ml	81551 UNIPROT ID: Q9H169 Full Name: stathmin-like 4	WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
	Source: Rabbit Isotype: IgG		
		Observed MW: 22-30 kDa	
	Applications	Tested Applications:	Positive Controls:
IHC, IP, WB,ELISA Cited Applications:		WB : hum	an brain tissue, rat brain tissue
WB, IF		IP : mous	e brain tissue,
Species Specificity: human, mouse, rat		IHC : hun	nan gliomas tissue, human brain tissue
Cited Species: mouse			
Note-IHC: suggested antige			
	TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0		
Background Informatio	<ul> <li>retrieval may be performed buffer pH 6.0</li> <li>RB3 (Stathmin-4), encoded by STM possessing a unique N-terminal r which promotes microtubule (MT phosphoprotein, preferentially ep intracellular signaling pathways, expression of transfected RB3 coo differentiation. Moreover, increas optical nerve axotomy and RB3 m</li> </ul>	d with citrate MN4 gene, is a neuron-specific homolo nembrane-associated domain and the ) catastrophe and/or tubulin sequeste (pressed in the nervous system, and d RB3 is consistently up-regulated in di ild induce differentiation, suggesting sed RB3 is a unique response protein i nay be a critical target for neurodegen o UniProt). Another 30 kDa isoform car	e stathmin-like domain at the C terminus, ring. Stathmin is a ubiquitous cytosolic lescribed as a relay integrating diverse ifferentiated neuroblastoma cells, and stab a role of RB3 during neuroblastoma n the stathmin-related proteins following merative diseases. STMN4 has 4 isoforms wi
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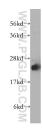
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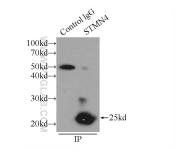
## Selected Validation Data



Immunohistochemical analysis of paraffinembedded 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.