For Research Use Only

## SPAST Monoclonal antibody

Catalog Number:67361-1-lg 1 Publications

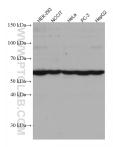
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 67361-1-lg	GenBank Accession Nu BC150260	umber:	Purification Method: Protein A purification	
	Size:	GeneID (NCBI):		CloneNo.:	
	150ul, Concentration: 1200 ug/ml by			1F5A7	
	Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<sup>J</sup> UNIPROT ID: Q9UBPO Full Name:		Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000	
	Source:				
	Mouse	spastin		IF-P 1:200-1:800	
	lsotype: lgG2b	Calculated MW: 616 aa, 67 kDa			
	Immunogen Catalog Number: AG18866	Observed MW: 55 kDa			
Applications	Tested Applications: WB, IHC, IF-P, ELISA	Positive Co		rols:	
	Cited Applications:		WB: HEK-293 HepG2 cells	EK-293 cells, NCCIT cells, HeLa cells, PC-3 cells,	
	WB		IHC : mouse brain tissue,		
	Species Specificity: Human, mouse		IF-P : mouse b		
	Cited Species: human				
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternation	ely, antigen			
	retrieval may be performed w buffer pH 6.0				
Background Information	<b>buffer pH 6.0</b> SPAST encodes a microtubule-severin participates in the regeneration of ne common causes of hereditary spastic	ng protein called spasti urites. Mutations in the paraplegia (HSP-SPG4) form (M1-spastin, 68 kI umino acids of the full-l	SPAST gene (p . Mammalian c Da) and a more length protein.	highly expressed isoform (M87-spastin, Also, there are two additional 64 kDa	
Background Information Notable Publications	buffer pH 6.0 SPAST encodes a microtubule-severing participates in the regeneration of ne common causes of hereditary spastic isoforms, a less-abundant full-length 60 kDa) that lacks the N-terminal 86 a and 55 kDa isoforms due to alternative spastin.	ng protein called spasti urites. Mutations in the paraplegia (HSP-SPG4) form (M1-spastin, 68 kI umino acids of the full-l	SPAST gene (p . Mammalian c Da) and a more length protein. n 4. This antibo	reviously known as SPG4) are the most ells express at least two spastin highly expressed isoform (M87-spastin, Also, there are two additional 64 kDa	
	buffer pH 6.0 SPAST encodes a microtubule-severing participates in the regeneration of ne common causes of hereditary spastic isoforms, a less-abundant full-length 60 kDa) that lacks the N-terminal 86 a and 55 kDa isoforms due to alternative spastin.	ng protein called spasti urites. Mutations in the paraplegia (HSP-SPG4) form (M1-spastin, 68 kI mino acids of the full- re splicing of SPG4 exon med ID Journ	SPAST gene (p . Mammalian c Da) and a more length protein. n 4. This antibo	reviously known as SPG4) are the most ells express at least two spastin highly expressed isoform (M87-spastin, Also, there are two additional 64 kDa dy recognizes all these isoforms of	
	buffer pH 6.0 SPAST encodes a microtubule-severing participates in the regeneration of ne common causes of hereditary spastic isoforms, a less-abundant full-length 60 kDa) that lacks the N-terminal 86 a and 55 kDa isoforms due to alternative spastin.	ng protein called spasti urites. Mutations in the paraplegia (HSP-SPG4) form (M1-spastin, 68 kI mino acids of the full-1 er splicing of SPG4 exor ormed ID Journ 515799 Neuro er shipment. % glycerol pH 7.3.	SPAST gene (p . Mammalian c Da) and a more length protein. n 4. This antibo	reviously known as SPG4) are the most ells express at least two spastin highly expressed isoform (M87-spastin, Also, there are two additional 64 kDa dy recognizes all these isoforms of Application	

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

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

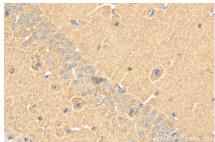
## Selected Validation Data



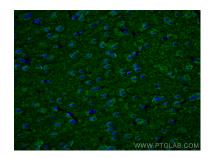
Various lysates were subjected to SDS PAGE followed by western blot with 67361-1-1g (SPAST antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 67361-1-Ig (SPAST antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 67361-1-Ig (SPAST antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SPAST antibody (67361-1-Ig, Clone: 1F5A7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).