For Research Use Only

SPAST Monoclonal antibody

Catalog Number:67361-1-lg 1 Publications

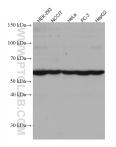
Antibodies | ELISA kits | Proteins www.ptglab.com

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;	^J 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	buffer pH 6.0 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	
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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.

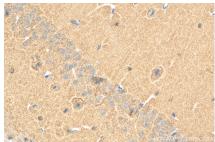
Selected Validation Data



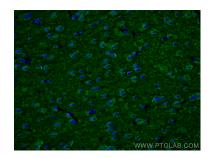
Various lysates were subjected to SDS PAGE followed by western blot with 67361-1-1g (SPAST antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).