For Research Use Only

C9orf72 Monoclonal antibody

Catalog Number:66140-1-lg 6 Publications

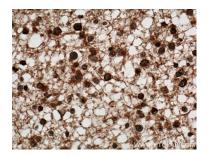
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 66140-1-lg	GenBank Accession BC020851	n Number:	Purification Method: Protein A purification
	Size:	GenelD (NCBI):		CloneNo.:
	150ul , Concentration: 2600 µg/ml by			3D2H6
	Nanodrop and 1173 µg/ml by Bradfor			Recommended Dilutions:
	method using BSA as the standard;	chromosome 9 ope	en reading frame 7	
	Source: Mouse	Calculated MW: 481 aa, 54 kDa		IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
	Isotype: IgG2a	Observed MW: 55 kDa		IHC 1:500-1:2000 IF 1:10-1:100
	Immunogen Catalog Number: AG21080			
Applications	Tested Applications:		Positive Cont	rols:
	IF, IHC, IP, WB, ELISA		WB : human brain tissue, C6 cells, Neuro-2a cel	
	Cited Applications: IF, IHC, WB		IP : C6 cells,	
			IHC : human g	gliomas tissue, human brain tissue
	Species Specificity: human, mouse, rat		IF : SH-SY5Y o	ells,
	Cited Species:			
	human, mouse, rat			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	C9ORF72 has a domain whith polymorphic hexanucleotide repeat (GGGGCC). The C9ORF72-hexanucleotide repeat expansions have been recently identified as genetic markers in amyotrophic lateral sclerosis (ALS) and frontotemporal lobar degeneration (FTLD). FTLD-TDP has five subtypes: Sporadic FTLD, GRN mutation FTLD, TARDBP mutation FTLD, VCP mutation FTLD and C9ORF72 mutation FTLD. The C9ORF72 repeat expansions may indicate a worse prognosis in ALS. Human C9ORF72 has some isoforms with MW 54-60 kDa and 25-30 kDa. Mouse C9orf72 has some isoforms with MW 50-60 kDa and 35 kDa.			
Background Information	expansions have been recently ident frontotemporal lobar degeneration (f mutation FTLD, VCP mutation FTLD a worse prognosis in ALS. Human C9OI	ified as genetic mar FTLD). FTLD-TDP has nd C90RF72 mutati RF72 has some isofo	rkers in amyotroph five subtypes: Spo on FTLD. The C9O	nic lateral sclerosis (ALS) and pradic FTLD, GRN mutation FTLD, TARDBF RF72 repeat expansions may indicate a
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Notable Publications	expansions have been recently ident frontotemporal lobar degeneration (f mutation FTLD, VCP mutation FTLD a worse prognosis in ALS. Human C9OF some isoforms with MW 50-60 kDa at Author Put Rajeeve Sivadasan 277 Shahram Saberi 299 Wei Dong 330 Storage: Storage: Storage Buffer: PBS with 0.02% sodium azide and 50	ified as genetic mar FLD). FTLD-TDP has nd C90RF 72 mutati & 72 has some isofo nd 35 kDa. med ID Jou 723745 Na 196813 Act D24945 An er shipment. % glycerol pH 7.3.	rkers in amyotroph five subtypes: Spo on FTLD. The C9O rms with MW 54-6 urnal t Neurosci ta Neuropathol	hic lateral sclerosis (ALS) and bradic FTLD, GRN mutation FTLD, TARDBI RF72 repeat expansions may indicate a 0 kDa and 25-30 kDa. Mouse C9orf72 ha Application WB IHC
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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

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Selected Validation Data



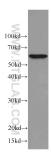
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66140-1-Ig (C9orf72 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66140-1-1g (C9orf72 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

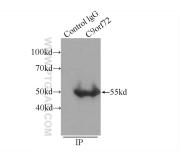


Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66140-1-1g (C9orf72 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human brain tissue were subjected to SDS PAGE followed by western blot with 66140-1-1g (C9orf72 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. WWW.PTGLAB.CO

Immunofluorescent analysis of SH-SY5Y cells using 66140-1-Ig (C9orf72 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG.



IP Result of anti-C9orf72 (IP:66140-1-Ig, 4ug; Detection:66140-1-Ig 1:1000) with C6 cells lysate 1320ug.