

For Research Use Only

C9orf72 Monoclonal antibody, PBS Only

Catalog Number: 66140-1-PBS



Basic Information

Catalog Number: 66140-1-PBS	GenBank Accession Number: BC020851	Purification Method: Protein A purification
Concentration: 1mg/ml	GeneID (NCBI): 203228	CloneNo.: 3D2H6
Source: Mouse	UNIPROT ID: Q96LT7	
Isotype: IgG2a	Full Name: chromosome 9 open reading frame 72	
Immunogen Catalog Number: AG21080	Calculated MW: 481 aa, 54 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

C9ORF72 has a domain with 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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

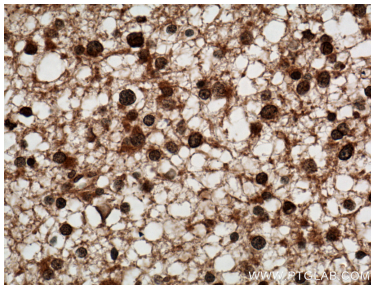
T: 4006900926

E: Proteintech-CN@ptglab.com

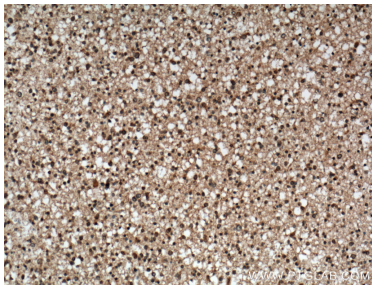
W: ptgcn.com

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

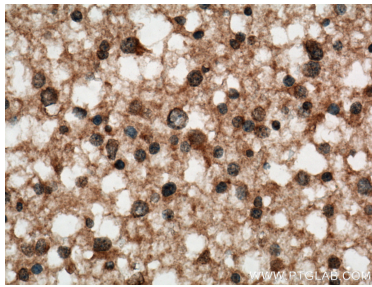
Selected Validation Data



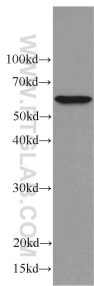
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66140-1-Ig (C9orf72 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.



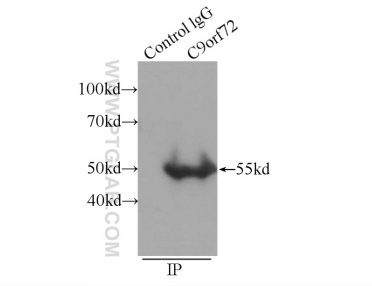
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66140-1-Ig (C9orf72 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.



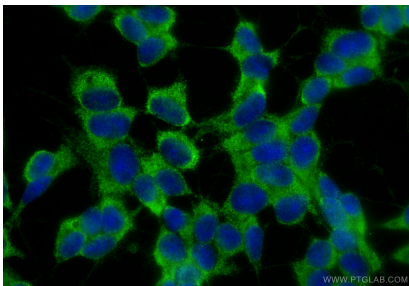
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66140-1-Ig (C9orf72 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.



human brain tissue were subjected to SDS PAGE followed by western blot with 66140-1-Ig (C9orf72 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.



IP result of anti-C9orf72 (IP:66140-1-Ig, 4ug; Detection:66140-1-Ig 1:1000) with C6 cells lysate 1320ug. This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using C9orf72 antibody (66140-1-Ig, Clone: 3D2H6) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 66140-1-PBS in a different storage buffer formulation.