

For Research Use Only

C9orf72 Monoclonal antibody, PBS Only



Catalog Number: 67824-1-PBS

Basic Information

Catalog Number: 67824-1-PBS	GenBank Accession Number: BC020851	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 203228	CloneNo.: 2F9A2
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: 50 kDa	

Applications

Tested Applications:
WB, FC, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

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). 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

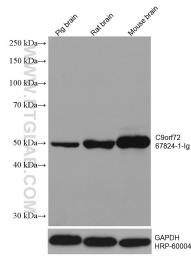
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

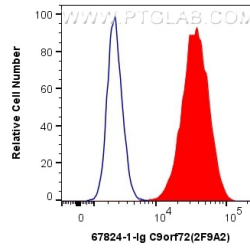
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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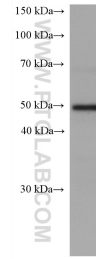
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67824-1-Ig (C9orf72 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67824-1-PBS in a different storage buffer formulation.



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug Anti-Human C9orf72 (67824-1-Ig, Clone:2F9A2) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67824-1-PBS in a



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 67824-1-Ig (C9orf72 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67824-1-PBS in a different storage buffer formulation.