

For Research Use Only

C9orf72 Monoclonal antibody, PBS Only

Catalog Number: 67824-1-PBS



Basic Information

Catalog Number:

67824-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG21080

GenBank Accession Number:

BC020851

GeneID (NCBI):

203228

UNIPROT ID:

Q96LT7

Full Name:

chromosome 9 open reading frame 72

Calculated MW:

481 aa, 54 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

2F9A2

Applications

Tested Applications:

WB, IHC, FC (Intra), 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.

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:

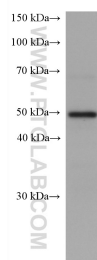
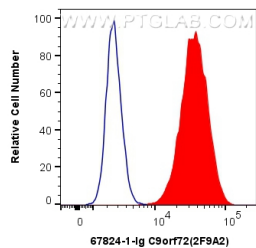
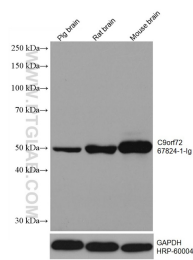
T: 4006900926

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.

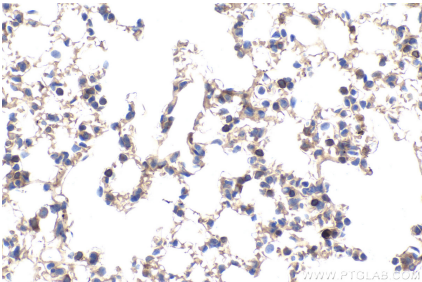
Selected Validation Data



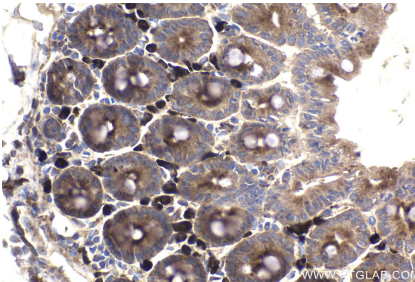
Various lysates were subjected to SDS PAGE followed by western blot with 67824-1-Ig (C9orf72 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was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

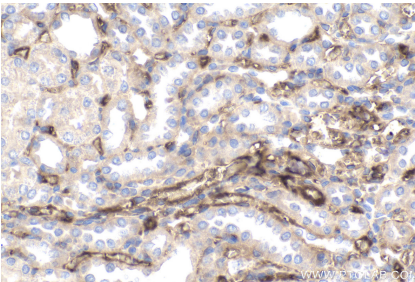
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 67824-1-Ig (C9orf72 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67824-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 67824-1-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 67824-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse intestine tissue slide using 67824-1-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 67824-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 67824-1-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 67824-1-PBS in a different storage buffer formulation.