

For Research Use Only

CoraLite® Plus 488-conjugated C9orf72 Monoclonal antibody



Catalog Number: CL488-66140

Basic Information

Catalog Number: CL488-66140	GenBank Accession Number: BC020851	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 203228	CloneNo.: 3D2H6
Source: Mouse	UNIPROT ID: Q96LT7	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: chromosome 9 open reading frame 72	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG21080	Calculated MW: 481 aa, 54 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : SH-SY5Y cells,
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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

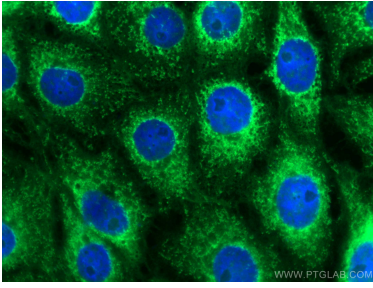
T: 4006900926

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



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CL488-66140 (C9orf72 antibody) at dilution of 1:50.