For Research Use Only

CoraLite® Plus 488-conjugated C9orf72 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-66140

Basic Information

Catalog Number:
CL488-66140

Size:
1000 μg/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:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
3D2H6

Recommended Dilutions:
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, IF-P

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P : mouse brain tissue,

IF/ICC : SH-SY5Y cells,

Background Information

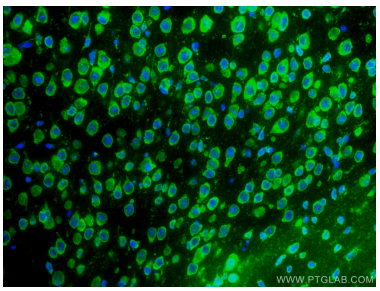
C9ORF72 has a domain whith polymorphic hexanucleotide repeat (GGGGCC). The C9ORF72-hexanucleotide repeat expansions have been recently identified as genetic markers in amyotrophic lateral sclerosis (ALS) and frontotemporal lobar degeneration (FTLD). FTLD-TDP has five subtypes: Sporadic FTLD, GRN mutation 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.

Storage

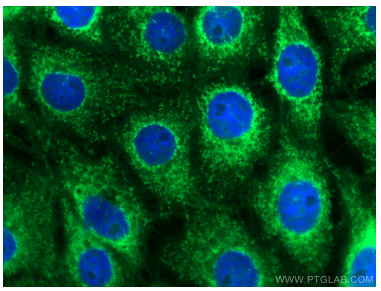
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488-conjugated C9orf72 antibody (CL488-66140, Clone: 3D2H6) at dilution of 1:100.



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