

For Research Use Only

# CoraLite® Plus 488-conjugated C9orf72 Polyclonal antibody



Catalog Number: CL488-22637

Featured Product

## Basic Information

Catalog Number:

CL488-22637

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18326

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:

50-54 kDa, 25-30 kDa, 43 kDa, 68-72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF : mouse testis tissue,

## 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. It has been reported that C9orf72 forms a complex with Cofilin and other actin binding proteins and 22637-1-AP antibody detects the complex bands around 43 and 68-72 kDa in SDS-PAGE. (PMID: 27723745)

## 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:

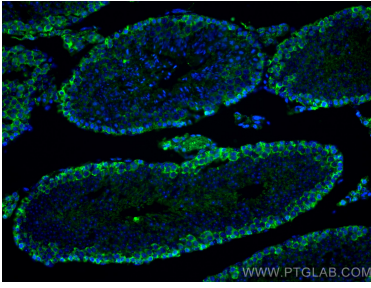
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://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 (4% PFA) fixed mouse testis tissue using CoraLite® Plus 488 C9orf72 antibody (CL488-22637) at dilution of 1:200.