

For Research Use Only

CoraLite® Plus 488-conjugated C9orf72 Polyclonal antibody



Catalog Number: CL488-22637

Featured Product

Basic Information

Catalog Number: CL488-22637	GenBank Accession Number: BC020851	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 203228	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: chromosome 9 open reading frame 72	
Isotype: IgG	Calculated MW: 481 aa, 54 kDa	
Immunogen Catalog Number: AG18326	Observed MW: 50-54 kDa, 25-30 kDa, 43 kDa, 68-72 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse testis tissue,
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). 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

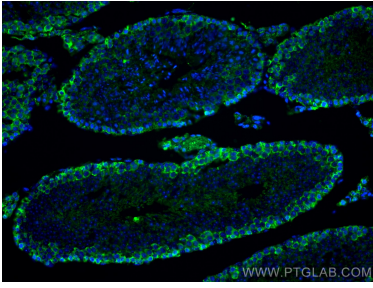
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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.