

For Research Use Only

CoraLite® Plus 488-conjugated Ataxin 2 Monoclonal antibody



Catalog Number: CL488-68316

Basic Information

Catalog Number: CL488-68316	GenBank Accession Number: BC114546	Purification Method: Caprylic acid/ammonium sulfate precipitation
Size: 1000 µg/ml	GeneID (NCBI): 6311	CloneNo.: 1E8A2
Source: Mouse	UNIPROT ID: Q99700	Recommended Dilutions: IF 1:50-1:500
Isotype: IgM	Full Name: ataxin 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG17402	Calculated MW: 1313 aa, 140 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : rat brain tissue,
Species Specificity: Human, Mouse, Rat	

Background Information

ATXN2 contains a repeat structure with 22 or 23 triplets coding for glutamine and the (CAG)₈CAA(CAG)₄CAA(CAG)₈ sequence; expansion of this domain to a size ≥34 triplets with a pure CAG sequence primarily causes autosomal dominant SCA2 [PMID:18418684], while ATXN2 expansions with CAA interruptions were observed as the cause of Levo-dopa responsive Parkinson's disease [PMID:10668726]. ATXN2 expansions associated with ALS were reported to be interrupted by at least one CAA triplet [PMID:21537950]

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:

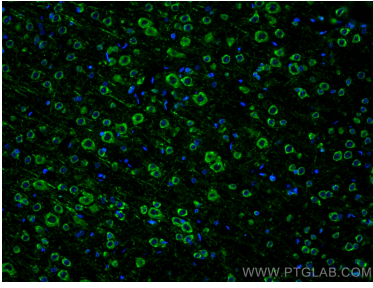
T: 4006900926

E: Proteintech-CN@ptglab.com

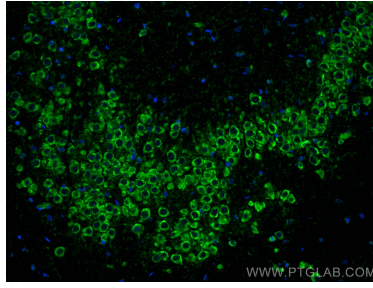
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite® Plus 488 Ataxin 2 antibody (CL488-68316, Clone: 1E8A2) at dilution of 1:200.



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