

For Research Use Only

# CoraLite® Plus 488-conjugated Ataxin 2 Monoclonal antibody



Catalog Number:CL488-68316

## Basic Information

<b>Catalog Number:</b> CL488-68316	<b>GenBank Accession Number:</b> BC114546	<b>Purification Method:</b> Caprylic acid/ammonium sulfate precipitation
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6311	<b>CloneNo.:</b> 1E8A2
<b>Source:</b> Mouse	<b>Full Name:</b> ataxin 2	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgM	<b>Calculated MW:</b> 1313 aa, 140 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG17402	<b>Observed MW:</b> 140-150 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : rat brain tissue,
<b>Species Specificity:</b> Human, Mouse, Rat	

## Background Information

ATXN2 contains a repeat structure with 22 or 23 triplets coding for glutamine and the (CAG)<sub>8</sub>CAA(CAG)<sub>4</sub>CAA(CAG)<sub>8</sub> sequence; expansion of this domain to a size  $\geq 34$  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

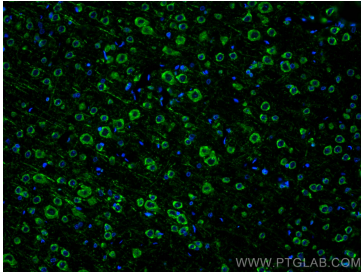
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

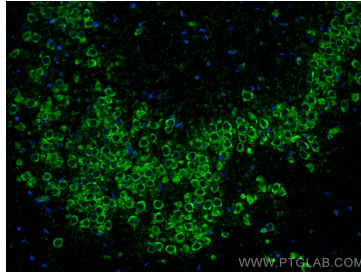
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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



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