

For Research Use Only

# CoraLite® Plus 488-conjugated Ataxin 2 Recombinant monoclonal antibody

Catalog Number:CL488-80919-2



## Basic Information

<b>Catalog Number:</b> CL488-80919-2	<b>GenBank Accession Number:</b> BC114546	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6311	<b>CloneNo.:</b> 250888E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99700	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> ataxin 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG16470	<b>Calculated MW:</b> 1313 aa, 140 kDa	
	<b>Observed MW:</b> 140-150 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<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, pH7.3  
Aliquoting is unnecessary for -20°C storage

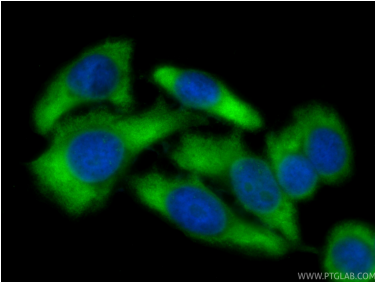
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 Ataxin 2 antibody (CL488-80919-2, Clone: 250888E4 ) at dilution of 1:200.