

For Research Use Only

Ataxin 2 Monoclonal antibody, PBS Only



Catalog Number: 68316-1-PBS

Basic Information

Catalog Number:

68316-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG17402

GenBank Accession Number:

BC114546

GeneID (NCBI):

6311

UNIPROT ID:

Q99700

Full Name:

ataxin 2

Calculated MW:

1313 aa, 140 kDa

Observed MW:

140-150 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

1E8A2

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

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 -80°C.

Storage Buffer:

PBS Only

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

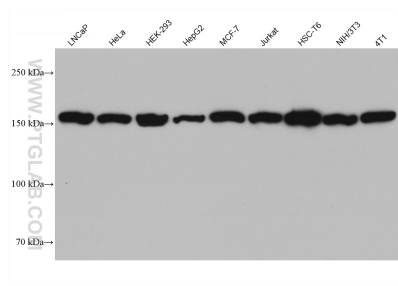
T: 4006900926

E: Proteintech-CN@ptglab.com

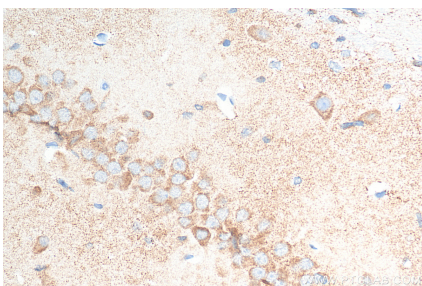
W: ptgcn.com

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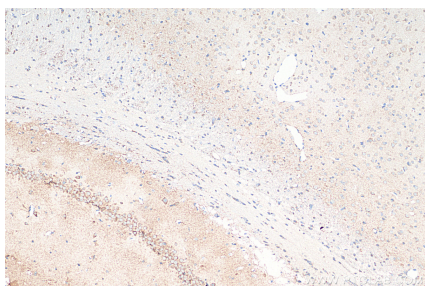
Selected Validation Data



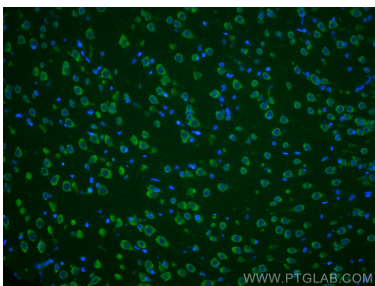
Various lysates were subjected to SDS PAGE followed by western blot with 68316-1-Ig (Ataxin 2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.



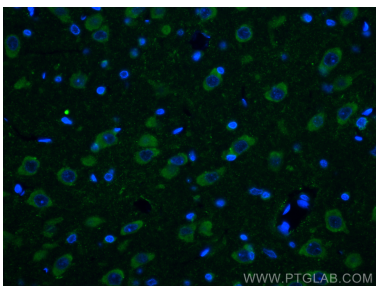
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68316-1-Ig (Ataxin 2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68316-1-Ig (Ataxin 2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Ataxin 2 antibody (68316-1-Ig, Clone: 1E8A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Ataxin 2 antibody (68316-1-Ig, Clone: 1E8A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.