

For Research Use Only

Ataxin 2 Monoclonal antibody, PBS Only

Catalog Number: 68316-1-PBS



Basic Information

Catalog Number:

68316-1-PBS

Concentration:

1mg/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, IHC, IF-P, Indirect ELISA

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

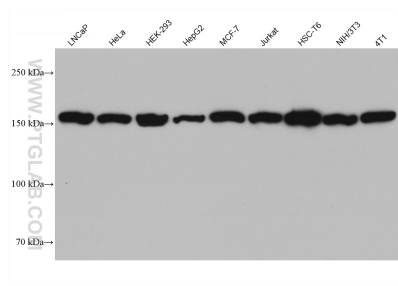
T: 4006900926

E: Proteintech-CN@ptglab.com

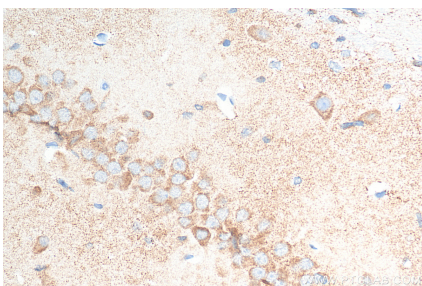
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

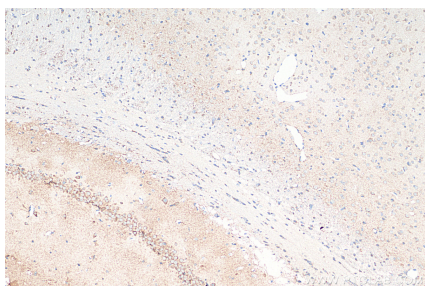
Selected Validation Data



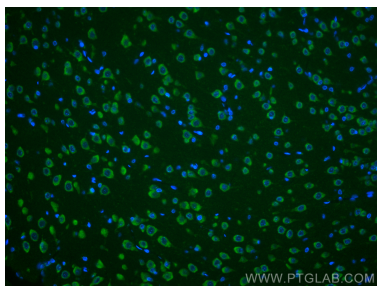
Various lysates were subjected to SDS PAGE followed by western blot with 68316-1-Ig (Ataxin 2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68316-1-PBS in a different storage buffer formulation.



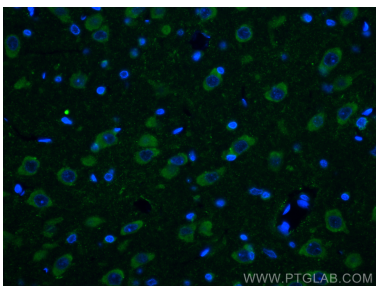
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68316-1-Ig (Ataxin 2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68316-1-PBS in a different storage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