

Ataxin 2 Polyclonal ANTIBODY

Catalog Number: 21776-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:
21776-1-AP

Size:
37 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG16470

GenBank Accession Number:
BC114546

GeneID (NCBI):
6311

Full Name:
ataxin 2

Calculated MW:
1313aa, 140 kDa

Observed MW:
140-150 kDa

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells; DU 145 cells, HEK-293 cells

IP : HEK-293 cells;

IHC : mouse brain tissue; human gliomas tissue

IF : HepG2 cells; Ethacrynic acid treated HepG2 cells

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 Levodopa responsive Parkinson's disease [PMID:10668726]. ATXN2 expansions associated with ALS were reported to be interrupted by at least one CAA triplet [PMID:21537950].

Notable Publications

Author	Pubmed ID	Journal	Application
Lauren A Ostrowski	30417124	Commun Biol	WB
Peipei Zhang	30893049	Elife	IF
Jacob R Mann	30826182	Neuron	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

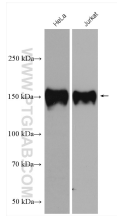
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

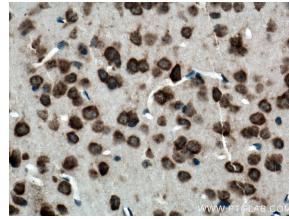
E: proteintech@ptglab.com
W: ptglab.com

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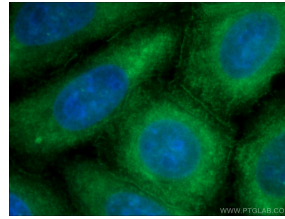
Selected Validation Data



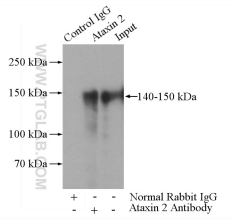
Various lysates were subjected to SDS PAGE followed by western blot with 21776-1-AP (Ataxin 2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21776-1-AP (Ataxin 2 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 21776-1-AP (Ataxin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-Ataxin 2 (IP:21776-1-AP, 4ug; Detection:21776-1-AP 1:1000) with HEK-293 cells lysate 1200ug.