For Research Use Only

Ataxin 2 Polyclonal antibody

Catalog Number:21776-1-AP Featured Product 33 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
21776-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16470

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:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:16000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF-P 1:50-1:500
IF/ICC 1:450-1:1800

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Note-IHC: 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, HEK-293 cells, Jurkat cells, Neuro-2a cells

IP : HEK-293 cells,

IHC : mouse brain tissue,

IF-P : mouse brain tissue,

IF/ICC : 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 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]

Notable Publications

Author	Pubmed ID	Journal	Application
Garam Kim	36288714	Cell Rep	WB,IF
Lauren A Ostrowski	30417124	Commun Biol	WB
Gaston Bonenfant	30944179	J Virol	WB,IF

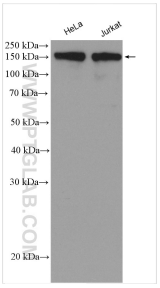
Storage

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

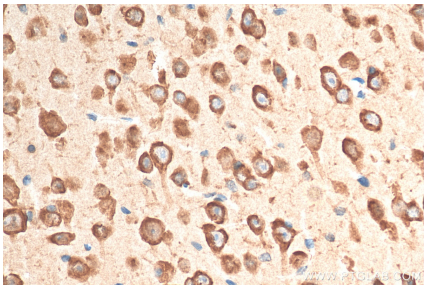
*** 20ul sizes contain 0.1% BSA

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

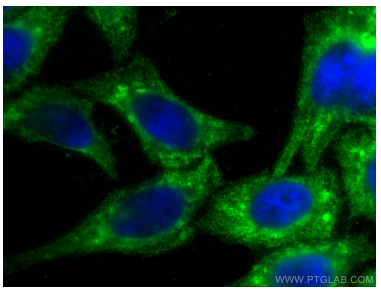
Selected Validation Data



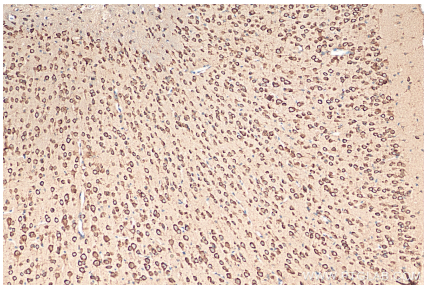
Various lysates were subjected to SDS PAGE followed by western blot with 21776-1-AP (Ataxin 2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



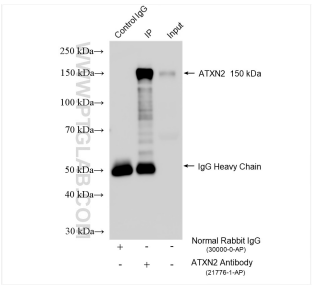
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21776-1-AP (Ataxin 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



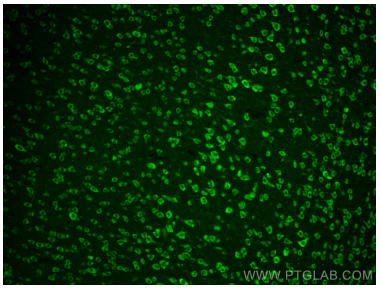
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Ataxin 2 antibody (21776-1-AP) at dilution of 1:900 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21776-1-AP (Ataxin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Ataxin 2 (IP:21776-1-AP, 4ug; Detection:21776-1-AP 1:6000) with HEK-293 cells lysate 1800 ug.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Ataxin 2 antibody (21776-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).