

Rabbit ATXN2 Polyclonal Antibody | anti-ATXN2 antibody

ATXN2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28401	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

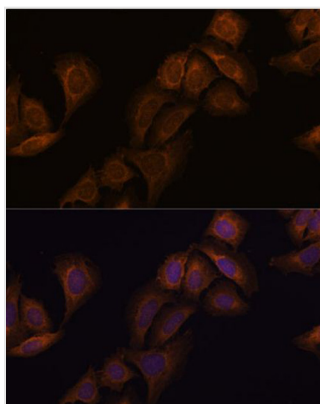
PRODUCT SYNONYMS

ATXN2; Polyclonal Antibody; ATXN2 Rabbit pAb; ATX2; SCA2; TNRC13; ataxin-2; anti-ATXN2 antibody

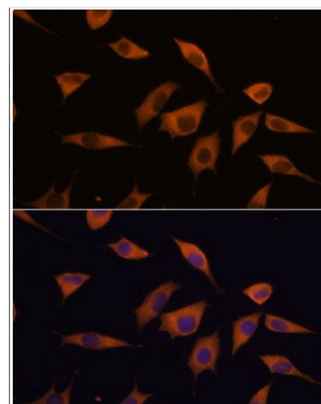
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Applicable Applications for anti-ATXN2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	A synthetic peptide of human ATXN2
Positive Samples	U-87MG, Mouse liver, Rat liver
Cellular Location	Cytoplasm
Research Area	Epigenetics & Nuclear Signaling RNA Binding
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

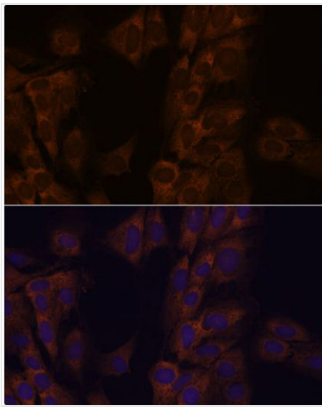
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using ATXN2 antibody (AAA28401) at dilution of 1:100. Blue: DAPI for nuclear staining.

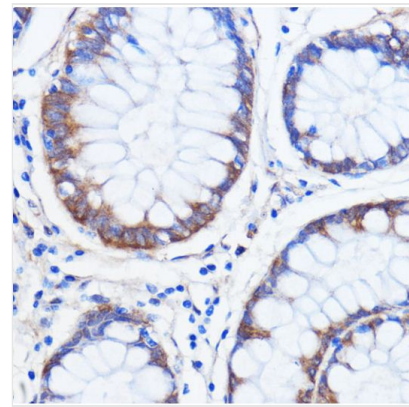

IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using ATXN2 antibody (AAA28401) at dilution of 1:100. Blue: DAPI for nuclear staining.



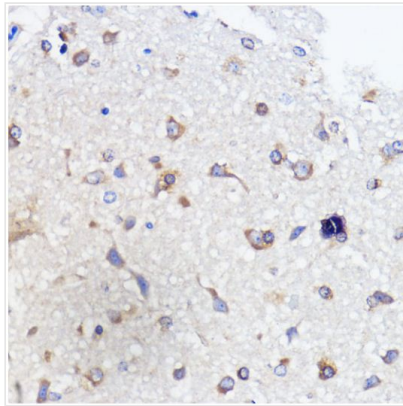
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using ATXN2 antibody (AAA28401) at dilution of 1:100. Blue: DAPI for nuclear staining.



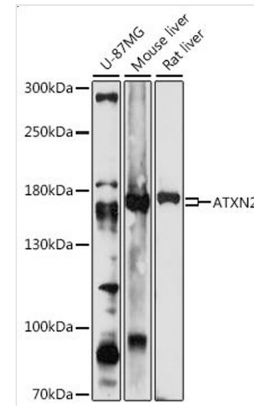
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using ATXN2 antibody (AAA28401) at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using ATXN2 antibody (AAA28401) at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATXN2 antibody (AAA28401) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATXN2 antibody

This gene belongs to a group of genes that is associated with microsatellite-expansion diseases, a class of neurological and neuromuscular disorders caused by expansion of short stretches of repetitive DNA. The protein encoded by this gene has two globular domains near the N-terminus, one of which contains a clathrin-mediated trans-Golgi signal and an endoplasmic reticulum exit signal. The encoded cytoplasmic protein localizes to the endoplasmic reticulum and plasma membrane, is involved in endocytosis, and modulates mTOR signals, modifying ribosomal translation and mitochondrial function. The N-terminal region of the protein contains a polyglutamine tract of 14-31 residues that can be expanded in the pathogenic state to 32-200 residues. Intermediate length expansions of this tract increase susceptibility to amyotrophic lateral sclerosis, while long expansions of this tract result in spinocerebellar ataxia-2, an autosomal-dominantly inherited, neurodegenerative disorder. Genome-wide association studies indicate that loss-of-function mutations in this gene may be associated with susceptibility to type I diabetes, obesity and hypertension. Alternative splicing results in multiple transcript variants.

Product Categories/Family for anti-ATXN2 antibody

[Catalog Antibodies](#); [Polyclonal Antibodies](#); [Primary Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	171543895
NCBI GeneID	6311
NCBI Accession #	NP_002964.3
NCBI GenBank Nucleotide #	NM_002973.3

UniProt Accession #	Q99700 ; Q6ZQZ7 ; Q99493 ; A6NLD4
Molecular Weight	140,283 Da
NCBI Official Full Name	ataxin-2
NCBI Official Synonym Full Names	ataxin 2
NCBI Official Symbol	ATXN2
NCBI Official Synonym Symbols	ATX2; SCA2; ASL13; TNRC13
NCBI Protein Information	ataxin-2; trinucleotide repeat containing 13; spinocerebellar ataxia type 2 protein; trinucleotide repeat-containing gene 13 protein
UniProt Protein Name	Ataxin-2
UniProt Gene Name	ATXN2
UniProt Synonym Gene Names	ATX2; SCA2; TNRC13
UniProt Entry Name	ATX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atxn2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28401>