

Rabbit ATX2 Polyclonal Antibody | anti-ATXN2 antibody

Anti-ATX2 antibody

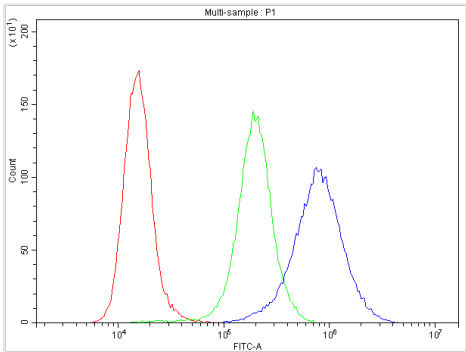
CATALOG # AAA45411	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

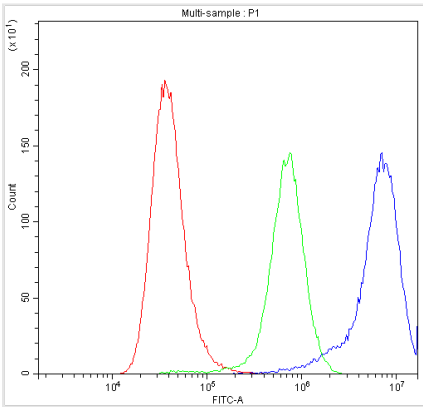
ATX2; Polyclonal Antibody; Anti-ATX2 antibody; Ataxin-2; ataxin 2; Ataxin 2 antibody; ATXN2 antibody; Olivopontocerebellar ataxia 2; autosomal dominant antibody; SCA2 antibody; Spinocerebellar ataxia type 2 protein antibody; TNRC13 antibody; Trinucleotide repeat containing gene 13 protein antibody; anti-ATXN2 antibody

PRODUCT SPECIFICATIONS

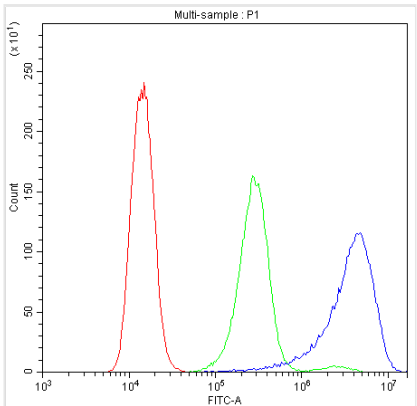
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1313
Applicable Applications for anti-ATXN2 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ATX2 (1293-1313aa TTAHFPYMTHTPSVQAHHQQQL), identical to the related mouse sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



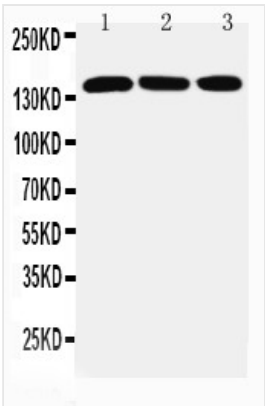
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of K562 cells using anti-ATX2 antibody (AAA45411).Overlay histogram showing K562 cells stained with AAA45411 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ATX2 Antibody (AAA45411,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of A549 cells using anti-ATX2 antibody (AAA45411).Overlay histogram showing A549 cells stained with AAA45411 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ATX2 Antibody (AAA45411,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of A431 cells using anti-ATX2 antibody (AAA45411).Overlay histogram showing A431 cells stained with AAA45411 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ATX2 Antibody (AAA45411,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of ATX2 using anti- ATX2 antibody (AAA45411).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: PANC-1 Cell LysateLane 2: SMMC-7721 Cell LysateLane 3: HELA Cell LysateAfter Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- ATX2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ATX2 at approximately 140KD. The expected band size for ATX2 is at 140KD.

ADDITIONAL INFORMATION

Related Product Information for anti-ATXN2 antibody	Description: Rabbit IgG polyclonal antibody for Ataxin-2(ATXN2) detection. Tested with WB in Human, Mouse, Rat. Background: Ataxin-2, the protein encoded by the ATXN2 gene, contains a polyglutamine tract, long expansions(greater than 33 repeats) of which result in spinocerebellar ataxia-2(SCA2), an autosomal dominant form of olivopontocerebellar atrophy. The gene for spinocerebellar ataxia type 2(SCA2) has been mapped to 12q24.1. Ataxin-2 associates with L- and T-plastin and that overexpression of ataxin-2 leads to accumulation of T-plastin in mammalian cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215273941
NCBI GeneID	6311
UniProt Accession #	Q99700; Q6ZQZ7; Q99493; A6NLD4
Molecular Weight	132,884 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; 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/atx2-antibody-western-blot-elisa/45411>