

## Product datasheet for **AP50312PU-N**

### Ataxin 3 (ATXN3) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/100 - 1/500. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/100. <b>Flow cytometric:</b> 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 267~297 amino acids from the Center region of human ATXN3
Specificity:	This antibody reacts to Ataxin-3.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ataxin 3
Database Link:	<a href="#">Entrez Gene 4287 Human P54252</a>



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**Background:**

ATXN3 was known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein contains (CAG)*n* repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers.

**Synonyms:**

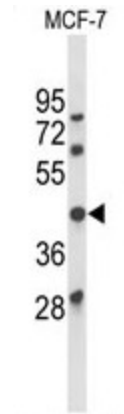
ATXN3, ATX3, MJD, MJD1, SCA3

**Note:**

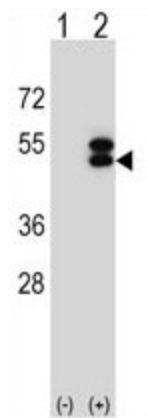
**Molecular Weight:** 41781 Da

**Protein Families:**

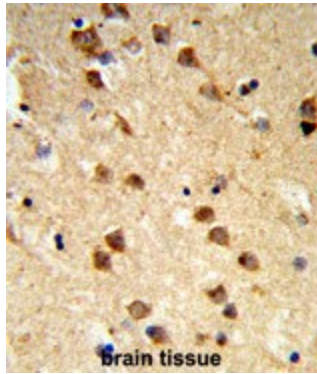
Druggable Genome, Transcription Factors

**Product images:**


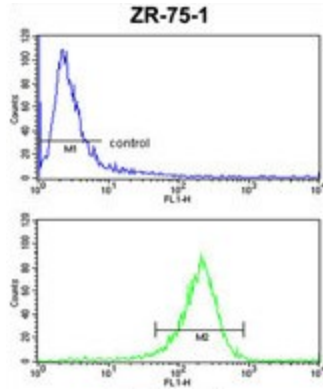
Western blot analysis of ATXN3 Antibody (Center) in MCF-7 cell line lysates (35ug/lane). ATXN3 (arrow) was detected using the purified Pab.



Western blot analysis of ATXN3 (arrow) using rabbit polyclonal ATXN3 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ATXN3 gene.



Formalin-fixed and paraffin-embedded human brain tissue reacted with ATXN3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ATXN3 Antibody (Center) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.