

Product datasheet for **AP12104PU-N**

Ataxin 3 (ATXN3) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human MJD.
Specificity:	This antibody is specific to Ataxin-3 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
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:	Entrez Gene 4287 Human P54252



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Background:

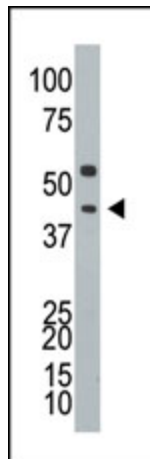
Machado-Joseph disease is an autosomal dominant neurologic disorder, and is now known to be the same as previously described spinocerebellar ataxia-3. MJD protein (Ataxin-3) contains (CAG)_n repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is the cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. This protein interacts with key regulators (CBP, p300 and PCAF) of transcription and represses transcription, and also acts as a histone-binding protein that regulates transcription. MJD is a deubiquitinating enzyme.

Synonyms:

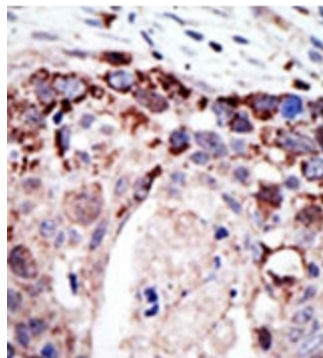
ATXN3, ATX3, MJD, MJD1, SCA3

Note:

Predicted Molecular weight: 43450 Da

Product images:


Recombinant human Ataxin-3 (aa 1-370): 15% SDS-PAGE (3 ug)



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.