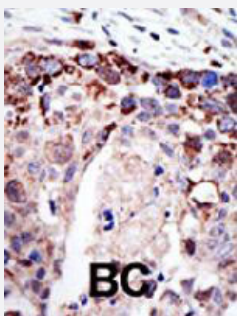


ATXN3 polyclonal antibody

Catalog # PAB1728

Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with ATXN3 polyclonal antibody (Cat # PAB1728), 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. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATXN3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 29-59 at N-terminus of human ATXN3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ATXN3

Entrez GeneID	4287
Protein Accession#	NP_004984;P54252
Gene Name	ATXN3
Gene Alias	AT3, ATX3, JOS, MJD, MJD1, SCA3
Gene Description	ataxin 3
Omim ID	109150 607047
Gene Ontology	Hyperlink
Gene Summary	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) Machado-Joseph disease protein 1 josephin olivopontocerebellar ataxia 3 spinocerebellar ataxia type 3 protein

Publication Reference

- [Neuroprotective effects of creatine in the CMVMJD135 mouse model of spinocerebellar ataxia type 3.](#)

Duarte-Silva S, Neves-Carvalho A, Soares-Cunha C, Silva JM, Teixeira-Castro A, Vieira R, Silva-Fernandes A, Maciel P. Movement Disorders 2018 May; 33(5):815.

Application: WB, Mouse, Brain

- [Structural and functional analysis of ataxin-2 and ataxin-3.](#)

Albrecht M, Golatta M, Wullner U, Lengauer T.

European Journal of Biochemistry 2004 Aug; 271(15):3155.

- [Molecular architecture of CAG repeats in human disease related transcripts.](#)

Michlewski G, Krzyzosiak WJ.

Journal of Molecular Biology 2004 Jul; 340(4):665.

- [Sequence-dependent and independent inhibition specific for mutant ataxin-3 by small interfering RNA.](#)

Li Y, Yokota T, Matsumura R, Taira K, Mizusawa H.

Annals of Neurology 2004 Jul; 56(1):124.

Application: WB-Tr, Human, HEK 293T cells

Disease

- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Epilepsy](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Huntington disease](#)
- [Machado-Joseph Disease](#)
- [Muscular Atrophy](#)
- [Myoclonic Epilepsies](#)
- [Myotonic dystrophy](#)
- [Neuromuscular Diseases](#)

- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Restless Legs Syndrome](#)
- [Schizophrenia](#)
- [Spinal muscular atrophy](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)
- [Spinocerebellar Degenerations](#)
- [Wakefulness](#)