

Ataxin-3 (ATXN3) Rabbit pAb

Catalog No.: A12992

Basic Information

Observed MW

50kDa

Calculated MW

41kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse

Background

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 12-44 to 52-86 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.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

4287

Swiss Prot

P54252

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-361 of human Ataxin-3 (ATXN3) (NP_004984.2).

Synonyms

AT3; JOS; MJD; ATX3; MJD1; SCA3; Ataxin-3 (ATXN3)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

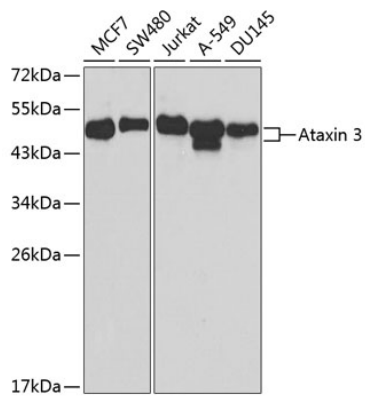
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data

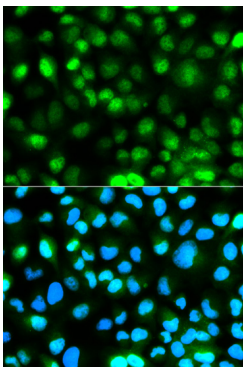


Western blot analysis of extracts of various cell lines, using Ataxin-3 (ATXN3) antibody (A12992) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of HeLa cells using Ataxin-3 (ATXN3) antibody (A12992). Blue: DAPI for nuclear staining.