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# Product datasheet for AP31355PU-N

## Ataxin 1 (ATXN1) (C-term) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IF, IHC |
| **Recommended Dilution:** | **ELISA:** 1/5000.<br>**Immunofluorescence:** 1/100 - 1/500.<br>**Immunohistochemistry on Paraffin Sections:** 1/200. |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide - KLH conjugated |
| **Specificity:** | This antibody detects endogenous levels of total Ataxin 1 protein. |
| **Formulation:** | PBS (without Mg2+, Ca2+), pH 7.4, 150 mM Sodium Chloride, 0.02% Sodium Azide and 50% Glycerol.<br>State: Purified<br>State: Liquid purified IgG fraction. |
| **Concentration:** | lot specific |
| **Purification:** | Immunoaffinity Chromatography. |
| **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 1 |
| **Database Link:** | Entrez Gene 20238 MouseEntrez Gene 6310 Human<br>P54253 |

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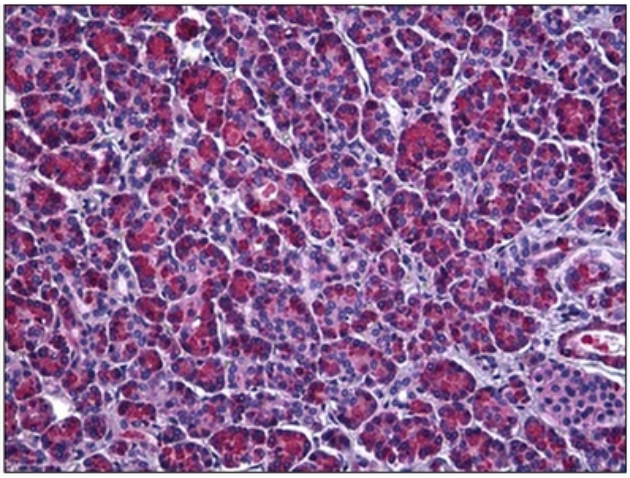
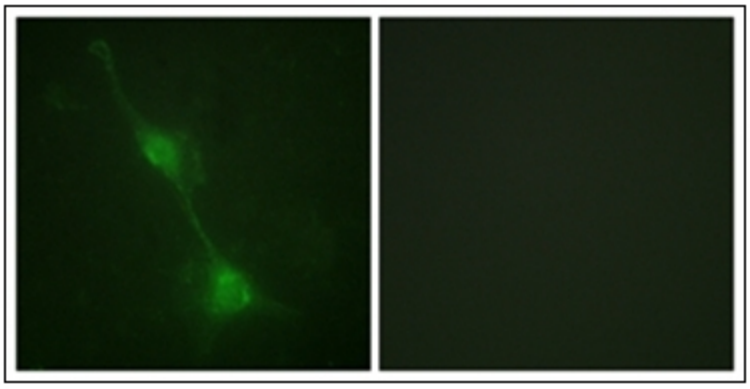
**Background:** Defects in ATXN1 are the cause of spinocerebellar ataxia type 1 (SCA1) [MIM:164400]; also known as olivopontocerebellar atrophy I (OPCA I or OPCA1). Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to cerebellum degeneration with variable involvement of the brainstem and spinal cord. SCA1 belongs to the autosomal dominant cerebellar ataxias type I (ADCA I) which are characterized by cerebellar ataxia in combination with additional clinical features like optic atrophy, ophthalmoplegia, bulbar and extrapyramidal signs, peripheral neuropathy and dementia. SCA1 is caused by expansion of a CAG repeat in the coding region of ATXN1. Longer expansions result in earlier onset and more severe clinical manifestations of the disease.

**Synonyms:** Ataxin 1, ATXN1, ATX1, SCA1

## Product images:



Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of NIH-3T3 cells, using Ataxin 1 (Ab-776) Antibody. The picture on the right is treated with the synthesized peptide.