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Product datasheet for AM06558SU-N

Ataxin 1 (ATXN1) Mouse Monoclonal Antibody [Clone ID: 2F5]

Product data:

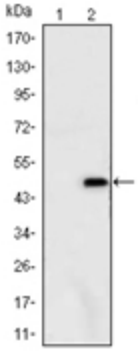
Product Type:	Primary Antibodies
Clone Name:	2F5
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Blot:** 1/500 - 1/2000. **Immunofluorescence:** 1/200 - 1/1000. **Flow Cytometry:** 1/200 - 1/400. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human ATXN1 expressed in E. Coli.
Specificity:	Recognizes Ataxin-1
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
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.
Predicted Protein Size:	87 kDa
Gene Name:	ataxin 1
Database Link:	Entrez Gene 6310 Human P54253

View online »

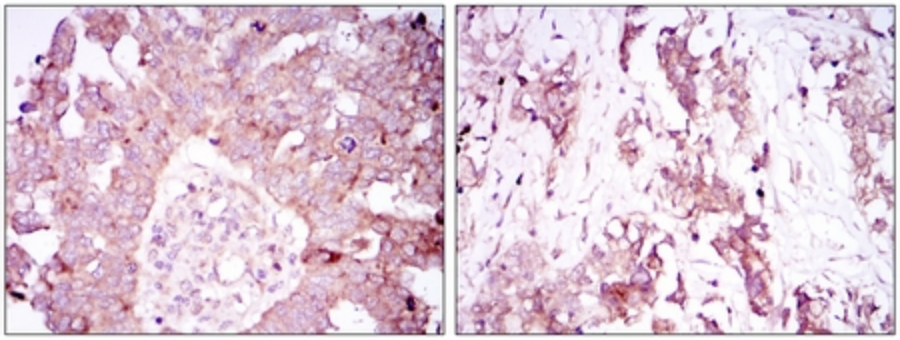
Background: Defects in ATXN1 are the cause of spinocerebellar ataxia type 1 (SCA1) [MIM:164400]; also known as olivopontocerebellar atrophy I (OPCA I or OPCA1). Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination 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

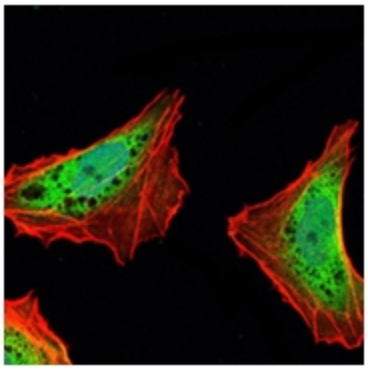
Product images:



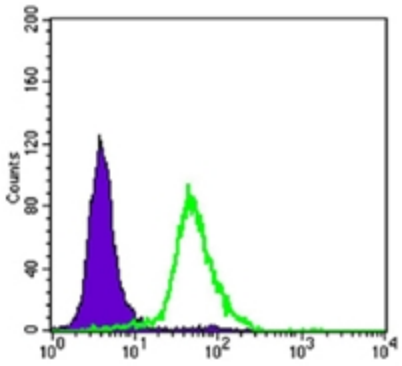
Western blot analysis using ATXN1 antibody Cat.-No AM06558SU-N against HEK293 (1) and ATXN1 (AA: 645-815)-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues (left) and lung cancer tissues (right) using ATXN1 antibody Cat.-No AM06558SU-N with DAB staining.



Immunofluorescence analysis of NTERA-2 cells using ATXN1 antibody Cat.-No AM06558SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometric analysis of Jurkat cells using ATXN1 antibody Cat.-No AM06558SU-N (green) and negative control (purple).