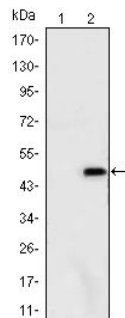




ATXN1

Mouse monoclonal Antibody

#54016

Catalog Number: 54016**Amount:** 100µg/100µl**Swiss-Prot No. :** P54253**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human ATXN1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of ATXN1 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 87kd WB: 1:500-2000 ICC/IHC:1:200-1000

Western blot analysis using ATXN1 mAb against HEK293 (1) and ATXN1(AA: 645-815)-hlgGfC transfected HEK293 (2) cell lysate.

Background:

ataxin-1 is a spinocerebellar ataxia type 1 (SCA1) protein. Expansion of CAG repeats in the SCA1 gene results in an abnormally long polyglutamine tract in the protein, causing polyglutamine-induced neurodegeneration. 14-3-3 and Akt kinase stabilize both wild-type and mutant forms of ataxin-1. The expansion of the polyglutamine tract may alter this function.