abcam

Product datasheet

Anti-Ataxin 1 antibody ab114045

1 图像

概述

产品名称	Anti-Ataxin 1抗体
描述	兔多克隆抗体to Ataxin 1
宿主	Rabbit
经测试应用	**适用于:** IP
种属反应性	**与反应:** Human **预测可用于:** Chimpanzee, Rhesus monkey, Gorilla
免疫原	Synthetic peptide, corresponding to a region between amino acids 350-400 of Human Ataxin 1 (NP_000323.2).
阳性对照	HeLa whole cell lysate
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab114045于以下的经测试应用**

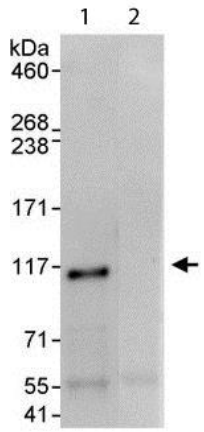
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use at 10 µg/mg of lysate.

靶标

功能	Binds RNA in vitro. May be involved in RNA metabolism. The expansion of the polyglutamine tract may alter this function.
组织特异性	Widely expressed throughout the body.
疾病相关	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.
序列相似性	Belongs to the ATXN1 family. Contains 1 AXH domain.
结构域	The AXH domain is required for interaction with CIC.
翻译后修饰	Phosphorylation at Ser-775 increases the pathogenicity of proteins with an expanded polyglutamine tract. Sumoylation is dependent on nuclear localization and phosphorylation at Ser-775. It is reduced in the presence of an expanded polyglutamine tract.
细胞定位	Cytoplasm. Nucleus. Colocalizes with USP7 in the nucleus.

图片



Immunoprecipitation - Anti-Ataxin 1 antibody (ab114045)

Detection of Ataxin 1 in Immunoprecipitates of HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab114045 at 10 µg/mg lysate for IP. An anti-Ataxin 1 antibody which recognizes a downstream epitope was used at 1 µg/ml for subsequent western blot detection. Detection: Chemiluminescence with exposure time of 3 seconds.

Predicted band size : 87 kDa.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors