abcam

Product datasheet

Anti-Ataxin 1 (phospho S776) antibody ab63376

★★★★★ 1 Abreviews 2 References 1 图像

概述

产品名称	Anti-Ataxin 1 (phospho S776)**抗体**
描述	**兔多克隆抗体**to Ataxin 1 (phospho S776)
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide corresponding to Human Ataxin 1 aa 700-800 (phospho S776). Database link: **P54253**
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. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride Without Mg2+ and Ca2+
纯度	Immunogen affinity purified
纯化说明	Purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab63376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
WB		1/500 - 1/1000. Detects a band of approximately 87 kDa (predicted molecular weight: 87 kDa).

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.

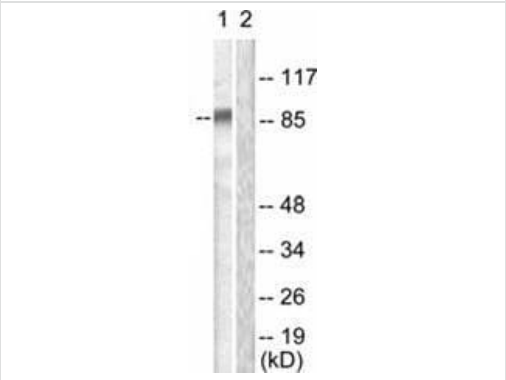
序列相似性 Belongs to the ATXN1 family.
Contains 1 AXH domain.

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



Western blot - Anti-Ataxin 1 (phospho S776) antibody (ab63376)

All lanes : Anti-Ataxin 1 (phospho S776) antibody (ab63376) at 1/500 dilution

Lane 1 : HepG2 cell extract treated with Adriamycin (0.5 micromoles, 5hours)
Lane 2 : HepG2 cell extract treated with Adriamycin (0.5 micromoles, 5hours) with immunizing phosphopeptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size: 87 kDa
Observed band size: 87 kDa

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