

Product datasheet

Anti-Ataxin 1 (phospho S776) antibody ab63376

★★★★★ 1 Abreviews 1 References 2 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
特异性	Detects Human Ataxin 1 only when phosphorylated at serine 776 (mouse equivalent: serine 752).
经测试应用	适用于: ICC/IF, WB, ELISA
种属反应性	与反应: Mouse, Human
免疫原	Synthetic phosphopeptide derived from human Ataxin 1 around the phosphorylation site of serine 776 (RWS ^P AP)

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	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
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

Our [Abpromise guarantee](#) covers the use of **ab63376** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

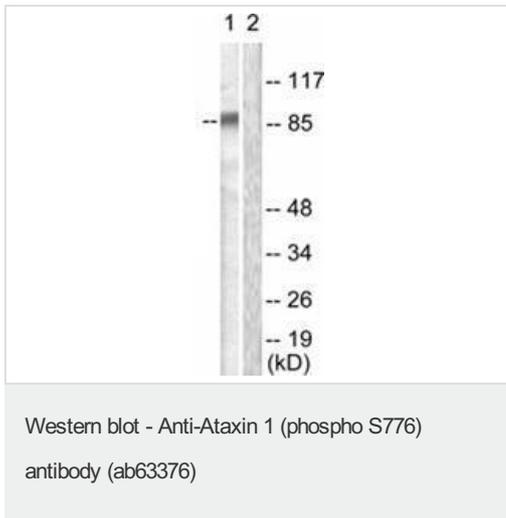
应用	Ab评论	说明
ICC/IF	★★★★★	Use at an assay dependent concentration.

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 87 kDa (predicted molecular weight: 87 kDa).
ELISA		1/10000.

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



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

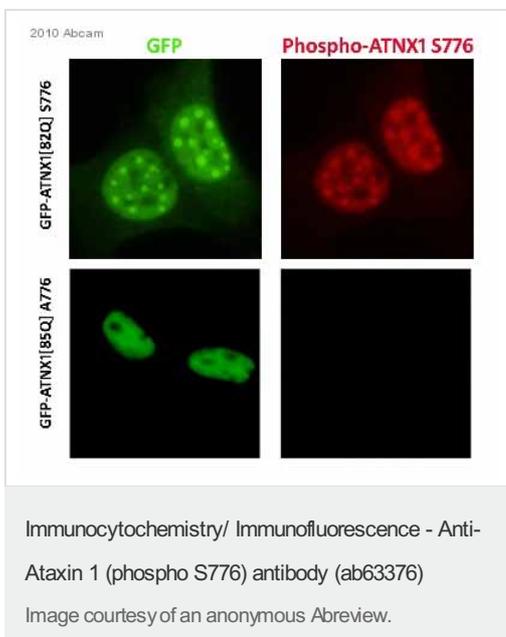
Lane 1 : HepG2 cell extract treated with Adriamycin (0.5 micromoles, 5hours)

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



ab63376 staining Ataxin 1 (phospho S776) in human HEK cells by Immunocytochemistry/ Immunofluorescence. The cells were paraformaldehyde fixed, permeabilised in 0.01% Triton X-100 and then blocked using 30% goat serum for 30 minutes at 37°C. Samples were then incubated with primary antibody at 1/100 for 1 hour at 37°C. The secondary antibody used was a goat polyclonal conjugated to Alexa Fluor® 594 (red) used at a 1/400 dilution.

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