abcam

Product datasheet

Anti-SCA10 antibody ab55829

Overview

Product name	Anti-SCA10 antibody
Description	Rabbit polyclonal to SCA10
Host species	Rabbit
Tested applications	**Suitable for:** WB, ELISA
Species reactivity	**Reacts with:** Recombinant fragment **Predicted to work with:** Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human SCA10 (C terminal).
General notes	This product was previously labelled as ATXN10

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab55829** in the following tested applications.

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

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 53 kDa. for 2 hours. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Function	Necessary for the survival of cerebellar neurons (By similarity). Induces neuritogenesis by activating the Ras-MAP kinase pathway (By similarity). May play a role in the maintenance of a critical intracellular glycosylation level and homeostasis.
Tissue specificity	Expressed in the central nervous system.
Involvement in disease	Defects in ATXN10 are the cause of spinocerebellar ataxia type 10 (SCA10) [MIM:603516]. 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 degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA10 is an autosomal dominant cerebellar ataxia (ADCA).
Sequence similarities	Belongs to the ataxin-10 family.
Cellular localization	Cytoplasm > perinuclear region.

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