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Anti-Ataxin 10 Antibody

Catalog # AP51727

Product Information

Application	WB, IHC
Primary Accession	Q9UBB4
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53489

Additional Information

Gene ID	25814
Other Names	SCA10; Ataxin-10; Brain protein E46 homolog; Spinocerebellar ataxia type 10 protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Ataxin 10. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

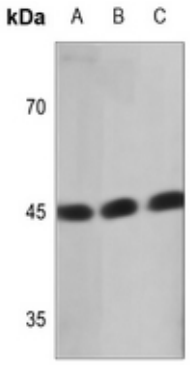
Protein Information

Name	ATXN10
Synonyms	SCA10
Function	May play a role in the regulation of cytokinesis (PubMed: 21857149, PubMed:25666058). May play a role in signaling by stimulating protein glycosylation. Induces neuritogenesis by activating the Ras-MAP kinase pathway and is necessary for the survival of cerebellar neurons (By similarity). Does not appear to play a major role in ciliogenesis (By similarity).
Cellular Location	Cytoplasm, perinuclear region. Midbody. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P28658} Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:P28658}. Note=Localizes to the midbody during telophase.
Tissue Location	Expressed in the central nervous system.

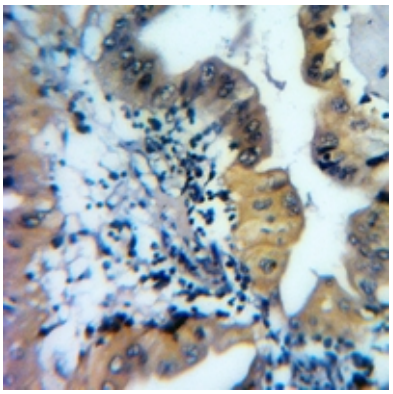
References

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Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of Ataxin 10 expression in Hela (A), mouse testis (B), rat testis (C) whole cell lysates.
(Predicted band size: 53 kD; Observed band size: 45 kD)



Immunohistochemical analysis of Ataxin 10 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.