

For Research Use Only

ATXN10 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88414-1-PBS



Basic Information

Catalog Number: 88414-1-PBS	GenBank Accession Number: BC007508	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 25814	CloneNo.: 260934C7
Source: Rabbit	UNIPROT ID: Q9UBB4	
Isotype: IgG	Full Name: ataxin 10	
Immunogen Catalog Number: AG8259	Calculated MW: 53 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

88414-1-PBS targets ATXN10 as part of a matched antibody pair:

MP03536-1: 88414-1-PBS capture and 88414-2-PBS detection (validated in Cytometric bead array)

MP03536-2: 88414-1-PBS capture and 88414-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

ATXN10, also named as SCA10, is a 475 amino acid protein, which belongs to the ataxin-10 family. ATXN10 is expressed in the central nervous system. ATXN10 is necessary for the survival of cerebellar neurons. ATXN10 may play a role in the maintenance of a critical intracellular glycosylation level and homeostasis.

Storage

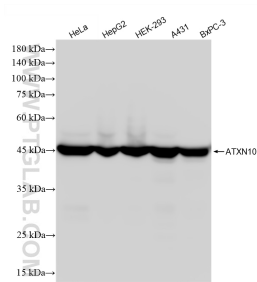
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

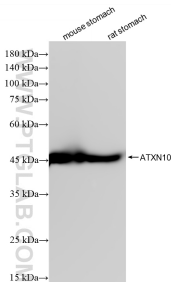
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

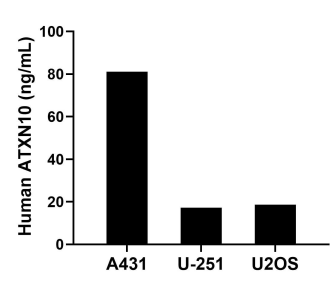
Selected Validation Data



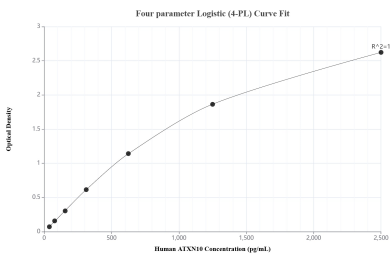
Various lysates were subjected to SDS PAGE followed by western blot with 88414-1-RR (ATXN10 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88414-1-PBS in a different storage buffer formulation.



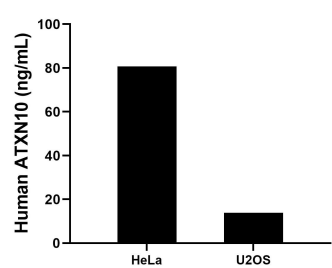
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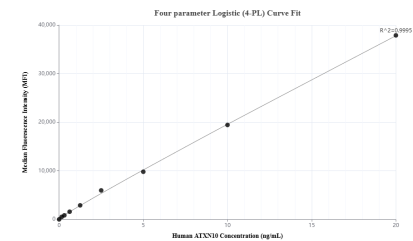
The mean ATXN10 concentration was determined to be 81.1 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load, 17.3 ng/mL in U-251 cell extract based on a 1.5 mg/mL extract load and 18.6 ng/mL in U2OS cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03536-2, Human ATXN10 Recombinant Matched Antibody Pair - PBS only. 88414-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag8259. 88414-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



The mean ATXN10 concentration was determined to be 80.7 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 13.9 ng/mL in U2OS cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03536-1, ATXN10 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88414-1-PBS. Detection antibody: 88414-2-PBS. Standard: Ag8259. Range: 0.156-20 ng/mL