

For Research Use Only

APT_X Polyclonal antibody

Catalog Number: 26747-1-AP



Basic Information

Catalog Number: 26747-1-AP	GenBank Accession Number: BC104881	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 54840	Recommended Dilutions: WB 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7Z2E3	
Isotype: IgG	Full Name: aprataxin	
Immunogen Catalog Number: AG24945	Calculated MW: 342 aa, 39 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : HEK-293T cells, HepG2 cells
Species Specificity: human	IF : HepG2 cells,

Background Information

APT_X, also named as Aprataxin, is a nuclear protein, present in both the nucleoplasm and the nucleolus, which is a member of the histidine triad (HIT) superfamily. APT_X is involved in DNA single-strand break repair, mediating protein-protein interactions with molecules responding to DNA damage. APT_X contains three conserved domains: an N-terminal forkhead-associated (FHA) domain which mediates protein-protein interactions, a HIT domain that is similar to Hint, and a C-terminal zinc finger domain. Loss of function mutations in APT_X, the gene encoding for Aprataxin, destabilize the Aprataxin protein and result in a rare neurological disorder known as ataxia-oculomotor apraxia, characterized by abnormal movements of the head and eyes.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

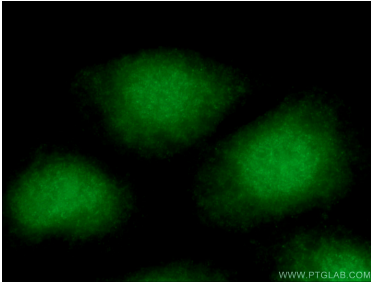
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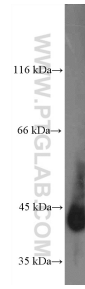
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 26747-1-AP (APTX antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



HEK-293T cells were subjected to SDS PAGE followed by western blot with 26747-1-AP (APTX Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.