

For Research Use Only

ACIN1-L specific Polyclonal antibody



Catalog Number: 30522-1-AP

Basic Information

Catalog Number: 30522-1-AP	GenBank Accession Number: BC140805	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 22985	Recommended Dilutions: WB 1:500-1:1000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UKV3	
Isotype: IgG	Full Name: apoptotic chromatin condensation inducer 1	
Immunogen Catalog Number: AG30506	Calculated MW: 1341 aa, 152 kDa	
	Observed MW: 240 kDa	

Applications

Tested Applications: IF-P, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, HepG2 cells
Species Specificity: Human, mouse	IF-P : mouse cerebellum tissue,

Background Information

Apoptosis is defined by several morphologic nuclear changes, including chromatin condensation and nuclear fragmentation. ACIN1 is a nuclear protein that induces apoptotic chromatin condensation after activation by caspase-3, without inducing DNA fragmentation. This protein has also been shown to be a component of a splicing-dependent multiprotein exon junction complex (EJC) that is deposited at splice junctions on mRNAs, as a consequence of pre-mRNA splicing. There are three isoforms of human acinus (the L, S and S' forms) shows at about 80-85 kDa and 220-250 kDa by Western Blot, which were probably generated by alternative splicing (PMID: 10490026). 30522-1-AP specifically targets at the ACIN1-L, while another antibody 23937-1-AP can detect all three isoforms of ACIN1.

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:

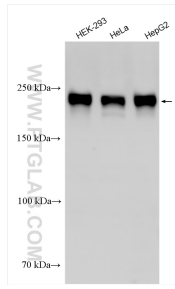
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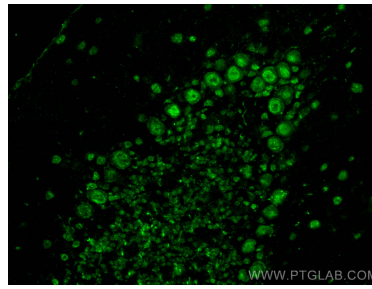
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30522-1-AP (ACIN1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using ACIN1-L specific antibody (30522-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).