

For Research Use Only

ACIN1 Polyclonal antibody

Catalog Number: 23937-1-AP



Basic Information

Catalog Number: 23937-1-AP	GenBank Accession Number: BC140805	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 647 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22985	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: apoptotic chromatin condensation inducer 1	
Isotype: IgG	Calculated MW: 1341 aa, 152 kDa	
Immunogen Catalog Number: AG21036	Observed MW: 250 kDa, 80-85 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, IHC : mouse cerebellum tissue,
Species Specificity: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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) shown at about 80-85 kDa and 220-250 kDa by Western Blot, which were probably generated by alternative splicing (PMID: 10490026). 23937-1-AP can detect all three isoforms of ACIN1. Another antibody 30522-1-AP specifically targets at the ACIN1-L.

Storage

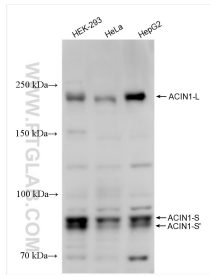
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

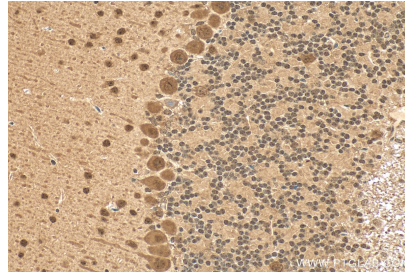
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 23937-1-AP (ACIN1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 23937-1-AP (ACIN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).