

For Research Use Only

# ACIN1 Polyclonal antibody

Catalog Number: 23937-1-AP



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>23937-1-AP   | <b>GenBank Accession Number:</b><br>BC140805                    | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 900 ug/ml by Nanodrop and 647 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>22985                                  | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>Q9UKV3                                    |  |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>apoptotic chromatin condensation inducer 1 |  |
| <b>Immunogen Catalog Number:</b><br>AG21036  | <b>Calculated MW:</b><br>1341 aa, 152 kDa                       |  |
|  | <b>Observed MW:</b><br>250 kDa, 80-85 kDa                       |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b>   |
| <b>Species Specificity:</b><br>human, mouse  | <b>WB :</b> HEK-293 cells,<br><b>IHC :</b> mouse cerebellum tissue, |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |   |

## 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). 23937-1-AP can detect all three isoforms of ACIN1. Another antibody 30522-1-AP specifically targets at the ACIN1-L.

## Storage

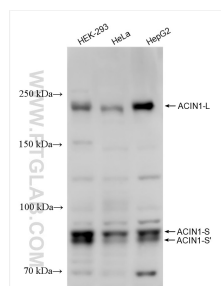
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

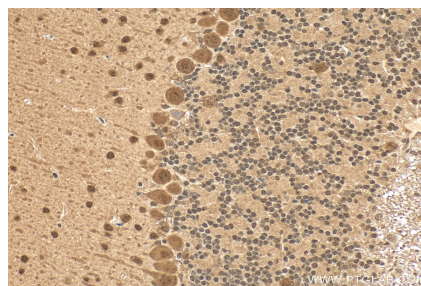
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
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## Selected Validation Data



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).