

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: 900 µg/ml	GeneID (NCBI): 22985	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UKV3	
Isotype: IgG	Full Name: apoptotic chromatin condensation inducer 1	
Immunogen Catalog Number: AG21036	Calculated MW: 1341 aa, 152 kDa	
	Observed MW: 250 kDa, 80-85 kDa	

Applications

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

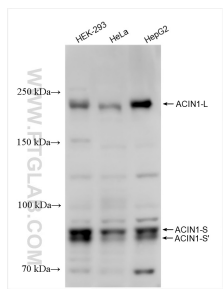
Background Information

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) 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.

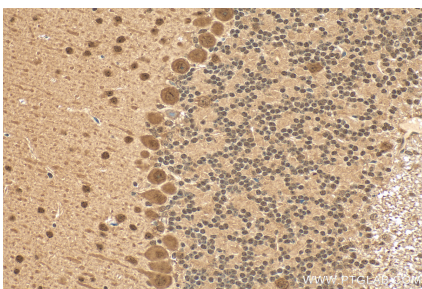
Storage

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

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).