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Acin1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14268

Product Information

Application	WB
Primary Accession	Q9JIX8
Other Accession	NM_001085473, NP_001078942
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150719

Additional Information

Gene ID	56215
Alias Symbol	2610036I19Rik, 2610510L13Rik, Acinus, Acn, C79325, acinusL, acinusS, mKIAA0670
Other Names	Apoptotic chromatin condensation inducer in the nucleus, Acinus, Acin1, Acinus
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Acin1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Acin1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

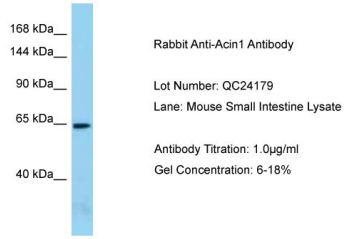
Name	Acin1
Synonyms	Acinus
Function	Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Component of the ASAP complexes which bind RNA in a sequence-independent manner and are proposed to be recruited to the EJC prior to or during the splicing process

	and to regulate specific excision of introns in specific transcription subsets; ACIN1 confers RNA-binding to the complex. The ASAP complex can inhibit RNA processing during in vitro splicing reactions. The ASAP complex promotes apoptosis and is disassembled after induction of apoptosis. Involved in the splicing modulation of BCL2L1/Bcl-X (and probably other apoptotic genes); specifically inhibits formation of proapoptotic isoforms such as Bcl-X(S); the activity is different from the established EJC assembly and function. Induces apoptotic chromatin condensation after activation by CASP3. Regulates cyclin A1, but not cyclin A2, expression in leukemia cells (By similarity).
Cellular Location	Nucleus. Nucleus speckle. Nucleus, nucleoplasm. Note=Phosphorylation on Ser-1179 by SRPK2 redistributes it from the nuclear speckles to the nucleoplasm.

References

Sahara S.,et al.Nature 401:168-173(1999).
Mamoru A.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Carninci P.,et al.Science 309:1559-1563(2005).
Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).

Images



Host: Rabbit
Target Name: Acin1
Sample Tissue: Mouse Small Intestine
Antibody Dilution: 1.0µg/ml