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Acin1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14268

Specification

Acin1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9JIX8
Other Accession	NM_001085473, NP_001078942
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

Acin1 antibody - N-terminal region - 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.

Acin1 antibody - N-terminal region - 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).

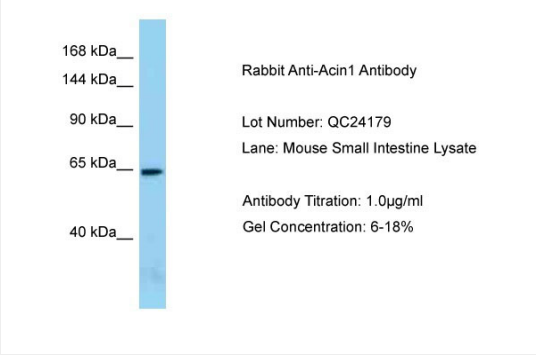
Cellular Location
Nucleus. Nucleus speckle. Nucleus, nucleoplasm. Note=Phosphorylation on Ser-1179 by SRPK2 redistributes it from the nuclear speckles to the nucleoplasm.

Acin1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Acin1 antibody - N-terminal region - Images



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

Acin1 antibody - N-terminal region - 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).
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