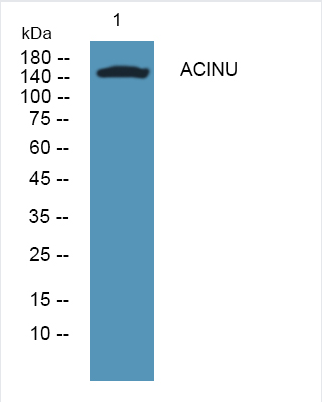
ACINU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACINU, Polyclonal Antibody
Full Product Name	ACINU Rabbit Polyclonal Antibody
Product Gene Name	anti-ACINU antibody
Product Synonym Gene Name	ACIN1, ACINUS, KIAA0670
Product Synonym Names	BH6842; Apoptotic chromatin condensation inducer in the nucleus (Acinus)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	ACINU Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	1341
OMIM	604562
3D Structure	ModBase 3D Structure for Q9UKV3
Immunogen	Synthesized peptide derived from human protein. at AA range: 1120-1200
Modification	Unmodified/Total
Applications Tested/Suitable for anti-ACINU antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ACINU antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-ACINU antibody	Apoptosis is defined by several morphologic nuclear changes, including chromatin condensation and nuclear fragmentation. This gene encodes 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. It may thus be involved in mRNA metabolism associated with splicing. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
Other Notes	Small volumes of anti-ACINU antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACINU purchase	MBS9513249 is an antibody targeting ACINU. Also known as ACINU Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-ACINU antibody
Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACINU. It may not necessarily be applicable to this product.

NCBI GI #	308153407
NCBI GeneID	22985
NCBI Accession #	Q9UKV3.2
UniProt Primary Accession #	Q9UKV3
UniProt Secondary Accession #	O75158; Q9UG91; Q9UKV1; Q9UKV2; B2RTT4; D3DS45
UniProt Related Accession #	Q9UKV3
NCBI Official Full Name	Apoptotic chromatin condensation inducer in the nucleus
NCBI Official Synonym Full Names	apoptotic chromatin condensation inducer 1
NCBI Official Symbol	ACIN1
NCBI Official Synonym Symbols	ACN; ACINUS; fSAP152
UniProt Protein Name	Apoptotic chromatin condensation inducer in the nucleus
UniProt Gene Name	ACIN1
UniProt Synonym Gene Names	ACINUS; KIAA0670; Acinus
UniProt Entry Name	ACINU_HUMAN
NCBI Protein Information	apoptotic chromatin condensation inducer in the nucleus; functional spliceosome-associated protein 152

UniProt Comments for ACINU	acinus: an ubiquitous RNA-binding protein. Component of a splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of a few core proteins and several more peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC is composed of ACIN1, CASC3, DDX48, MAGOH, PNN, RBM8A, RNPS1, SAP18 and THOC4. Forms heterodimers with RNPS1. Found in a heterotrimeric complex with ACIN1, RNPS1 and SAP18. Interacts with API5. Phosphorylation by SRPK2 redistributes it from the nuclear speckles to the nucleoplasm, and up-regulates its stimulatory effect on cyclin A1. Activated by proteolytic cleavage. Induces apoptotic chromatin condensation after activation by CASP3. Regulates cyclin A1, but not cyclin A2, expression in leukemia cells. Four alternatively spliced human isoforms have been described. Protein type: RNA-binding; RNA splicing; Spliceosome; Apoptosis Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: nucleoplasm; cytoplasm; nucleolus; plasma membrane; nuclear speck; cytosol; nucleus Molecular Function: protein binding; enzyme binding; nucleic acid binding; ATPase activity; nucleotide binding Biological Process: positive regulation of monocyte differentiation; negative regulation of nuclear mRNA splicing, via spliceosome; apoptosis; positive regulation of apoptosis; RNA splicing; erythrocyte differentiation; mRNA processing; apoptotic chromosome condensation; cell structure disassembly during apoptosis
Research Articles on ACINU	**1.** An electronegative region on acinusS restricts SRPK2 phosphorylation to a single specific site.
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