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Anti-Acinus (Phospho-S1180) Antibody

Catalog # AP53960

Product Information

Application	WB
Primary Accession	Q9UKV3
Other Accession	O95104, Q8TF01, Q14498
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	151862

Additional Information

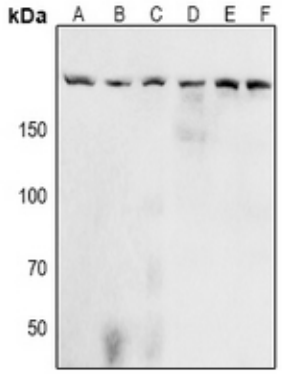
Gene ID	22985
Other Names	ACIN1; ACINUS; KIAA0670; Apoptotic chromatin condensation inducer in the nucleus; Acinus; SCAF4; KIAA1172; SFRS15; Splicing factor arginine/serine-rich 15; CTD-binding SR-like protein RA4; SR-related and CTD-associated factor 4; PNISR; C6orf111; SFRS18; SRRP130; HSPC261; HSPC306; Arginine/serine-rich protein PNISR; PNN-interacting serine/arginine-rich protein; SR-related protein; SR-rich protein; Serine/arginine-rich-splicing regulatory protein 130; SRrp130; Splicing factor arginine/serine-rich 130; Splicing factor arginine/serine-rich 18; RBM39; HCC1; RNPC2; RNA-binding protein 39; Hepatocellular carcinoma protein 1; RNA-binding motif protein 39; RNA-binding region-containing protein 2; Splicing factor HCC1
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S1180 of human Acinus protein. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

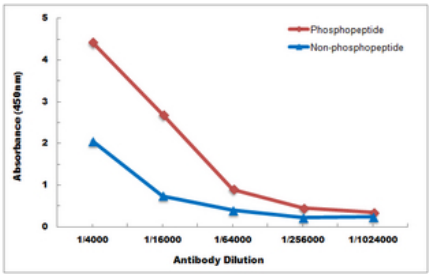
Name	ACIN1
Synonyms	ACINUS, KIAA0670
Function	Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and

	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.
Cellular Location	Nucleus. Nucleus speckle. Nucleus, nucleoplasm. Note=Phosphorylation on Ser-1180 by SRPK2 redistributes it from the nuclear speckles to the nucleoplasm
Tissue Location	Ubiquitous. The Ser-1180 phosphorylated form (by SRPK2) is highly expressed and phosphorylated in patients with myeloid hematologic malignancies

Images



Western blot analysis of Acinus (Phospho-S1180) expression in A549 (A), Hela (B), Jurkat (C), NIHC3T3 (D), H9C2 (E), PC12 (F) whole cell lysates. (Predicted band size: 151; 125; 92; 59 kD; Observed band size: 210 kD)



Direct ELISA antibody dose-response curve using Anti-Acinus (Phospho-S1180) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.