

Anti-Acinus (pS1180) Antibody
Catalog # AP53960**Specification****Anti-Acinus (pS1180) Antibody - Product Information**

Application	WB
Primary Accession	O9UKV3
Other Accession	O95104 , O8TF01 , O14498
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	151862

Anti-Acinus (pS1180) Antibody - 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

Recognizes endogenous levels of Acinus (pS1180) protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-Acinus (pS1180) Antibody - 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

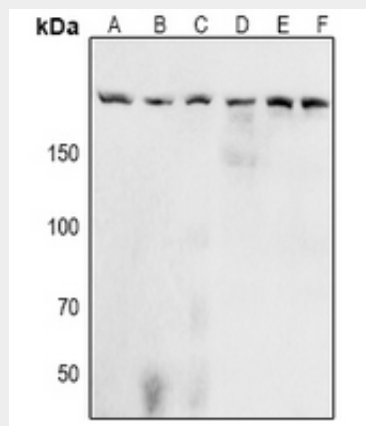
Ubiquitous. The Ser-1180 phosphorylated form (by SRPK2) is highly expressed and phosphorylated in patients with myeloid hematologic malignancies

Anti-Acinus (pS1180) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Acinus (pS1180) Antibody - Images



Western blot analysis of Acinus (pS1180) expression in A549 (A), HeLa (B), Jurkat (C), NIH3T3 (D), H9C2 (E), PC12 (F) whole cell lysates.

Anti-Acinus (pS1180) Antibody - Background

Rabbit polyclonal antibody to Acinus (pS1180)