

**DATASHEET**

**FIR Rabbit Polyclonal Antibody**

CAT. NO. APA12970

**KEY FEATURES**

Target	FIR	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

DNA- and RNA-binding protein, involved in several nuclear processes such as pre-mRNA splicing, apoptosis and transcription regulation. In association with FUBP1 regulates MYC transcription at the P2 promoter through the core-TFIID basal transcription factor. Acts as a transcriptional repressor through the core-TFIID basal transcription factor. Represses FUBP1-induced transcriptional activation but not basal transcription. Decreases ERCC3 helicase activity. Does not repress TFIID-mediated transcription in xeroderma pigmentosum complementation group B (XPB) cells. Is also involved in pre-mRNA splicing. Promotes splicing of an intron with weak 3'-splice site and pyrimidine tract in a cooperative manner with U2AF2. Involved in apoptosis induction when overexpressed in HeLa cells.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IP	1:10 - 1:50

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

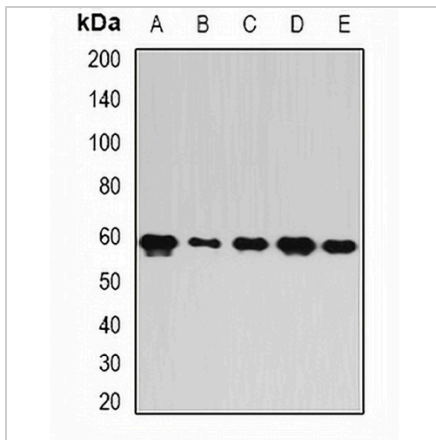
Description	Rabbit polyclonal antibody to FIR
Specificity	Recognizes endogenous levels of FIR protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FIR
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 54; Observed: 60 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FIR; ROBPI; SIAHBP1; Poly(U)-binding-splicing factor PUF60; 60 kDa poly(U)-binding-splicing factor; FUSE-binding protein-interacting repressor; FBP-interacting repressor; Ro-binding protein 1; RoBP1; Siah-binding protein 1; Siah-BP1
Gene Symbol	PUF60
Entrez Gene	22827(Human); 67959(Mouse)
SwissProt	Q9UHX1(Human); Q3UEB3(Mouse); Q9WV25(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of FIR expression in A549 (A), mouse brain (B), mouse spleen (C), rat lung (D), rat liver (E) whole cell lysates. (Predicted band size: 54; 55; 57; 58; 59 kD; Observed band size: 60 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.