

DATASHEET

SRP54 Rabbit Polyclonal Antibody

CAT. NO. APA16978

KEY FEATURES

Target	SRP54	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	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

Component of the signal recognition particle (SRP) complex, a ribonucleoprotein complex that mediates the cotranslational targeting of secretory and membrane proteins to the endoplasmic reticulum (ER) complex, a ribonucleoprotein complex that mediates the cotranslational targeting of secretory and membrane proteins to the endoplasmic reticulum (ER). As part of the SRP complex, associates with the SRP receptor (SR) component SRPRA to target secretory proteins to the endoplasmic reticulum membrane. Binds to the signal sequence of presecretory proteins when they emerge from the ribosomes. Displays basal GTPase activity, and stimulates reciprocal GTPase activation of the SR subunit SRPRA. Forms a guanosine 5'-triphosphate (GTP)-dependent complex with the SR subunit SRPRA.

APPLICATION

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

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

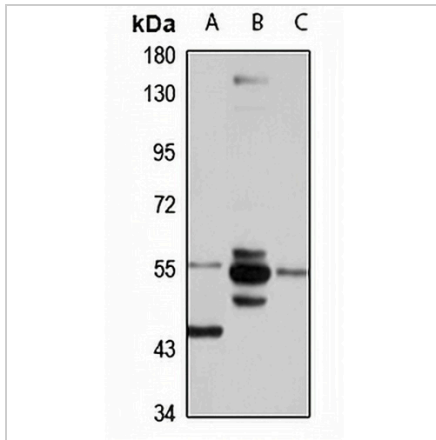
Description	Rabbit polyclonal antibody to SRP54
Specificity	Recognizes endogenous levels of SRP54 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human SRP54. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 50; Observed: 56 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	Signal recognition particle 54 kDa protein; SRP54
Gene Symbol	SRP54
Entrez Gene	6729(Human); 24067; 665155(Mouse); 116650(Rat)
SwissProt	P61011(Human); P14576(Mouse); Q6AYB5(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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 SRP54 expression in A549 (A), mouse liver (B), mouse lung (C) whole cell lysates. (Predicted band size: 50; 55 kD; Observed band size: 56 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.