

ARG45717 anti-SRP54 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SRP54
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SRP54
Species	Human
Immunogen	Recombinant protein containing to human SRP54.
Conjugation	Un-conjugated
Alternate Names	SRP54; Signal Recognition Particle 54; Signal Recognition Particle 54 KDa Protein; Signal Recognition Particle Subunit SRP54; Signal Recognition Particle 54kDa; Signal Recognition Particle 54kD; EC 3.6.5.4; SCN8

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

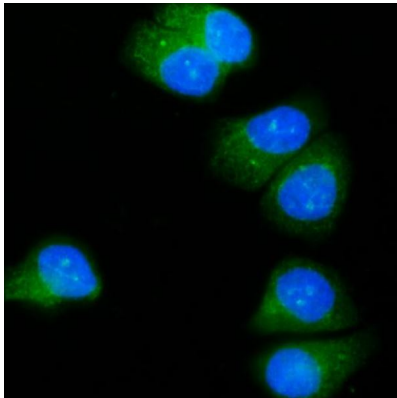
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

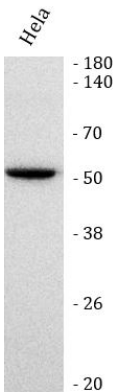
Gene Symbol	SRP54
Gene Full Name	Signal Recognition Particle 54
Background	Enables several functions, including 7S RNA binding activity; endoplasmic reticulum signal peptide binding activity; and guanyl ribonucleotide binding activity. Contributes to GTPase activity. Involved in granulocyte differentiation and protein targeting to ER. Located in cytosol and nucleus. Part of signal recognition particle, endoplasmic reticulum targeting. Implicated in severe congenital neutropenia 8. [provided by Alliance of Genome Resources, Feb 2025]
Function	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). [UniProt]
Calculated Mw	56 kDa
Cellular Localization	Cytoplasm; Endoplasmic reticulum; Nucleus; Signal recognition particle. [UniProt]

Images



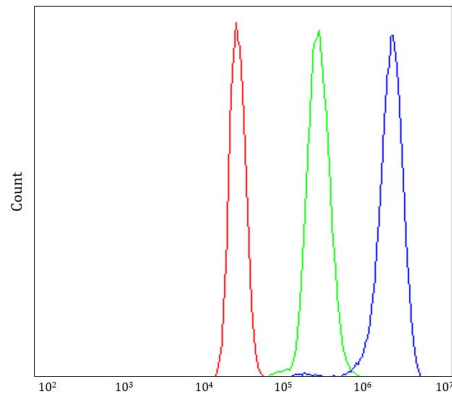
ARG45717 anti-SRP54 antibody ICC/IF image

Immunofluorescence: T47D stained with ARG45717 anti-SRP54 antibody at 5 µg/ml dilution.



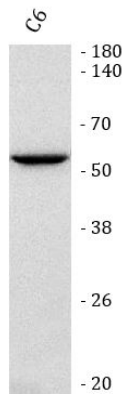
ARG45717 anti-SRP54 antibody WB image

Western blot: HeLa stained with ARG45717 anti-SRP54 antibody at 0.5 µg/ml dilution.



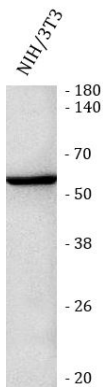
ARG45717 anti-SRP54 antibody FACS image

Flow Cytometry: U937 stained with ARG45717 anti-SRP54 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45717 anti-SRP54 antibody WB image

Western blot: C6 stained with ARG45717 anti-SRP54 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45717 anti-SRP54 antibody WB image

Western blot: NIH/3T3 stained with ARG45717 anti-SRP54 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.