



[Go to Product page](#)

Datasheet for ABIN6945061  
**anti-SRP54 antibody**

### Overview

Quantity:	100 µL
Target:	SRP54
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SRP54 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

### Product Details

Immunogen:	Recombinant protein within human SRP54 aa 1-200.
Clone:	1A4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	SRP54
Alternative Name:	SRP54 ( <a href="#">SRP54 Products</a> )
Background:	Synonyms: Signal recognition particle 54 kDa protein, SRP54

## Target Details

---

Background: SRP54, a component of the signal recognition particle (SRP), recognizes the signal peptide of secretory proteins and interacts with the signal recognition particle receptor to target the ribosome and the associated nascent chain to the endoplasmic reticulum. By functional analysis showed that SRP54 binds to SRP RNA via the M-domain, but only in the presence of RNA-bound SRP19, and that it associates with the signal peptide of nascent polypeptide chains. RNA interaction requires the presence of a loop in the C-terminal M-domain. Signal peptide recognition most likely involves methionine-rich loops. During signal peptide recognition, SRP54 is positioned at the exit site close to ribosomal proteins L23a and L35. When SRP54 contacts the signal recognition particle receptor, SRP54 is rearranged such that it is no longer close to L23a. This repositioning may allow the translocon to dock with the ribosome, leading to insertion of the signal peptide into the translocation channel.

Gene ID:	6729
UniProt:	<a href="#">P61011</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

---

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IP(1-2 µg)
Restrictions:	For Research Use only

## Handling

---

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

## Handling

---

Storage Comment: Store at -20°C for 12 months.

---

Expiry Date: 12 months