

# SEC24A Recombinant antibody

Catalog Number: 82908-1-RR

## Basic Information

**Catalog Number:**

82908-1-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8723

**GenBank Accession Number:**

BC019341

**GeneID (NCBI):**

10802

**UNIPROT ID:**

O95486

**Full Name:**

SEC24 family, member A (S. cerevisiae)

**Calculated MW:**

613 aa, 66 kDa

**Observed MW:**

120 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

230105B3

**Recommended Dilutions:**

WB 1:1000-1:5000

IF/ICC 1:125-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, FC (Intra), ELISA

**Species Specificity:**

human

**Positive Controls:**

**WB :** U-87 MG cells, HEK-293 cells, HeLa cells, HepG2 cells

**IF/ICC :** HeLa cells,

## Background Information

COPII-coated vesicles mediate anterograde transport from the ER to the Golgi apparatus. COPII is composed of three parts: two coat protein complexes (Sec23/24 complex and Sec13/31 complex) and one small GTP-binding protein, Sar1 (PMID: 9568718). Sec24 subunit of the coat complex has been implicated in cargo recognition (PMID: 17316621). In mammal cells, there are four Sec24 isoforms, termed Sec24A, Sec24B, Sec24C, and Sec24D (PMID: 10329445). This antibody is specific to SEC24A.

## Storage

**Storage:**

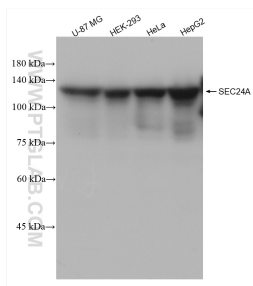
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

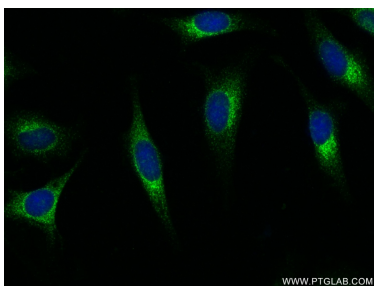
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

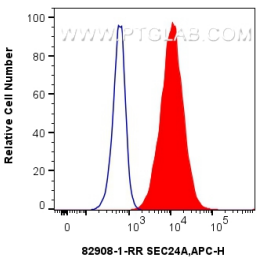
## Selected Validation Data



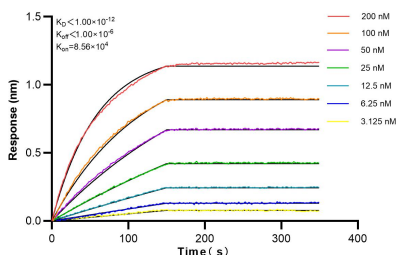
Various lysates were subjected to SDS PAGE followed by western blot with 82908-1-RR (SEC24A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SEC24A antibody (82908-1-RR, Clone: 230105B3) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug Anti-Human SEC24A (82908-1-RR, Clone:230105B3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166 (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82908-1-RR against Human SEC24A were performed. The affinity constant is below 1 pM.