

For Research Use Only

# SEC24D Monoclonal antibody

Catalog Number: 67409-1-Ig



## Basic Information

Catalog Number:

67409-1-Ig

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4657

GenBank Accession Number:

BC035761

GeneID (NCBI):

9871

UNIPROT ID:

O94855

Full Name:

SEC24 family, member D (S. cerevisiae)

Calculated MW:

1033 aa, 113 kDa

Observed MW:

113 kDa

Purification Method:

Protein A purification

CloneNo.:

3G5G9

Recommended Dilutions:

WB: 1:2000-1:8000

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB: Jurkat cells, HepG2 cells, HeLa cells

IF/ICC: HepG2 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).

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

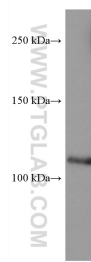
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

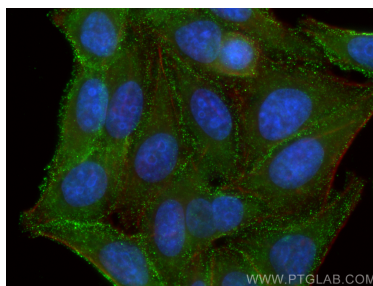
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 67409-1-Ig (SEC24D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SEC24D antibody (67409-1-Ig, Clone: 3G5G9 ) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).