Figure S1, related to Figure 1

Figure S1, related to Figure 1D. Binding and elution assay to test the interaction between coatomer and Arf1

This gel shows the result of the first stage of the binding assay. Specifically, GST or Arf1-GST fusion protein was complexed with GDP, GppNHp or GTP and immobilized on glutathione sepharose beads. The beads were incubated with purified βδ/γζ-COP and then washed. Total bound proteins (including the GST proteins) were eluted using SDS sample buffer and analyzed by SDS-PAGE and Coomassie blue staining (see Experimental Procedures).
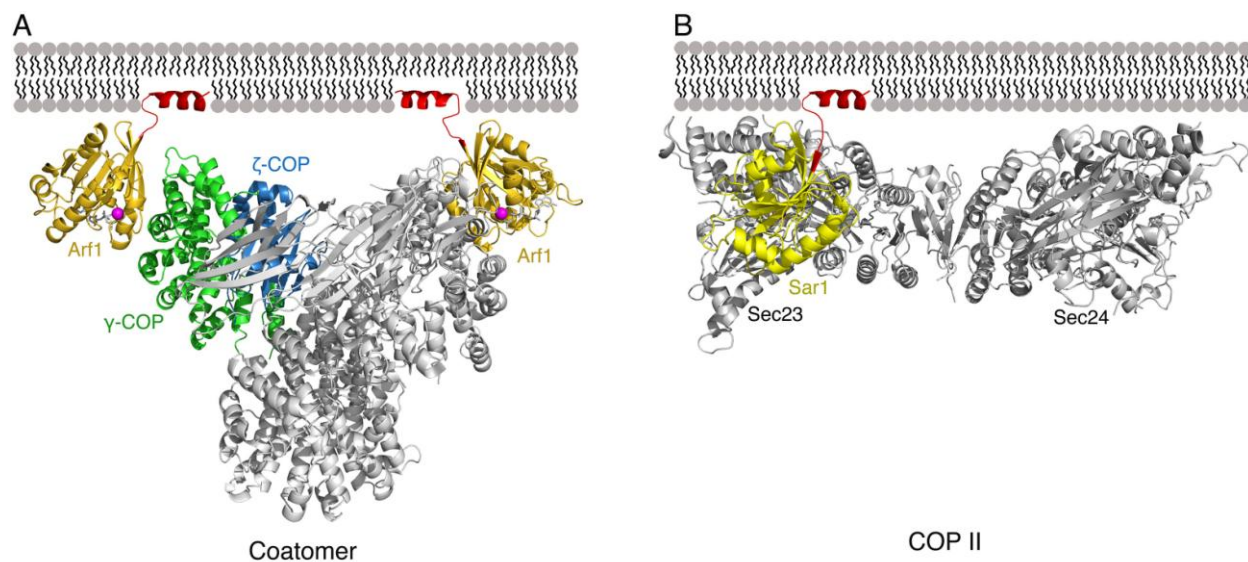

Figure S2, related to Figure 6

Figure S2, related to Figure 6A. Comparison of models for Membrane Recruitment of COPI and COPII coats

(**A**) Left panel shows a composite model of βδ/γζ-COP bound to membrane via two molecules of Arf1-GTP.

(**B**) The right panel shows a model of the Sec23/24-Sar1 complex bound to membrane, based on the study of Bi et al. (2002). Sar1 is colored yellow.

β-COP
γ-COP
δ-COP
GST

GST Arf1-GDP Arf1-GppNHp Arf1-GTP

Arf1-GST

ζ-COP

1   2   3   4

A

ζ-COP

Arf1

γ-COP

Arf1

Coatomer

B

Sar1

Sec23

Sec24

COP II