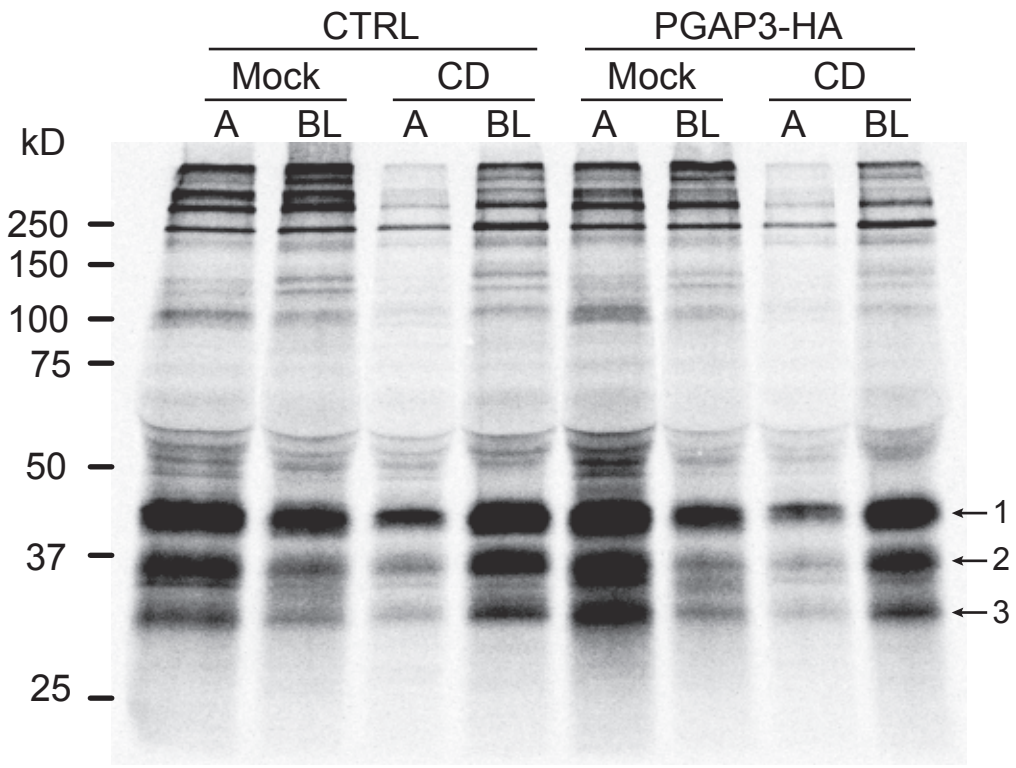
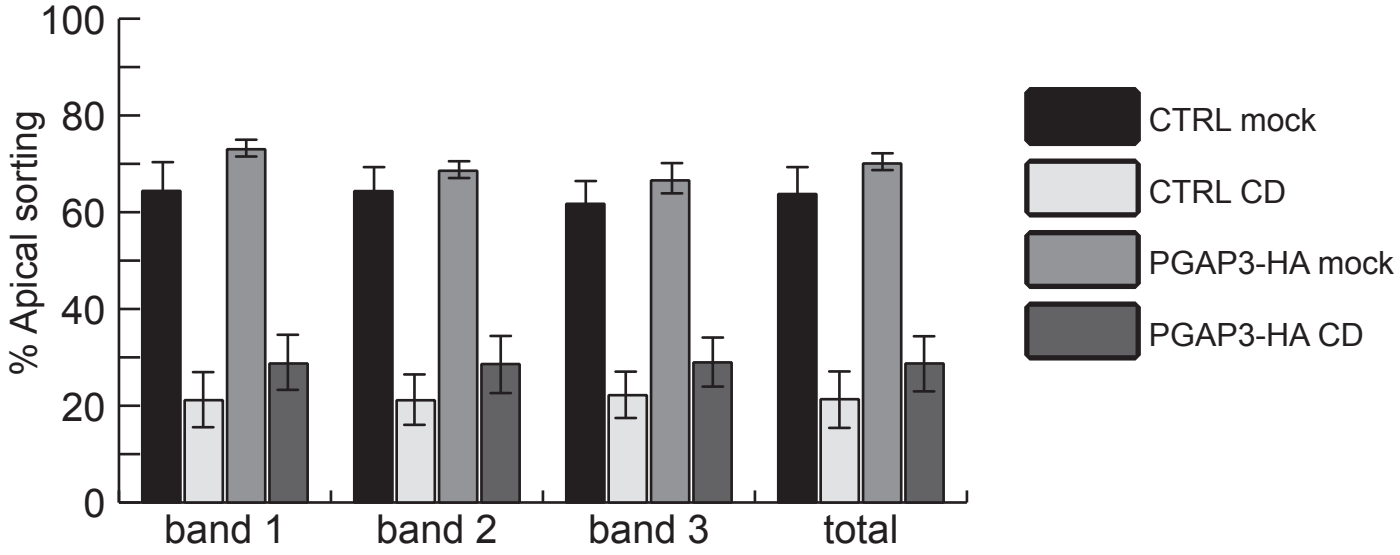
Figure S1. Apical secretion of endogenous soluble proteins is sensitive to cholesterol depletion

(A) Cells grown on filters and either mock depleted (Mock) or cholesterol depleted (CD) were pulse-labeled then chased for two hours, and the media from the apical (A) and basolateral (BL) chambers were analyzed. The apical sorting of three major bands (arrows 1–3) was quantified for the parental cell line (CTRL) and for PGAP3–HA cells. (B) The histogram shows mean apical sorting of bands 1–3 and the sum of the three bands (total). (C) The histogram shows the mean percentage of total signal detected (sum of 1–3) normalized to the mock condition shown in A. (B, C) Quantifications are from two independent experiments; the bars indicate the range of values.

A


CTRL
PGAP3-HA
Mock
CD
Mock
CD
A
BL
A
BL
A
BL
A
BL
kD
250
150
100
75
50
37
25
1
2
3

B


% Apical sorting
100
80
60
40
20
0
band 1
band 2
band 3
total
CTRL mock
CTRL CD
PGAP3-HA mock
PGAP3-HA CD

C

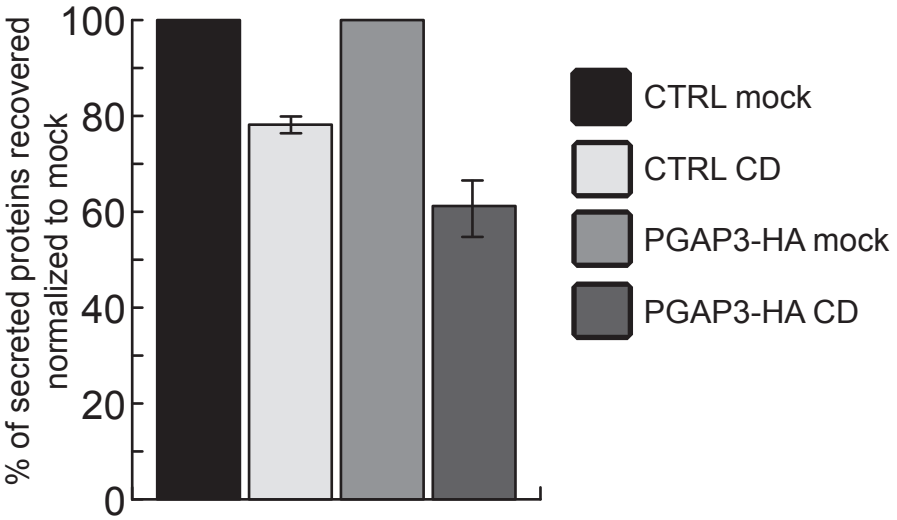

% of secreted proteins recovered normalized to mock
100
80
60
40
20
0
CTRL mock
CTRL CD
PGAP3-HA mock
PGAP3-HA CD

Fig.S1

Figure S1. Apical secretion of endogenous soluble proteins is sensitive to cholesterol depletion

(A) Cells grown on filters and either mock depleted (Mock) or cholesterol depleted (CD) were pulse-labeled then chased for two hours, and the media from the apical (A) and basolateral (BL) chambers were analyzed. The apical sorting of three major bands (arrows 1–3) was quantified for the parental cell line (CTRL) and for PGAP3–HA cells. (B) The histogram shows mean apical sorting of bands 1–3 and the sum of the three bands (total). (C) The histogram shows the mean percentage of total signal detected (sum of 1–3) normalized to the mock condition shown in A. (B, C) Quantifications are from two independent experiments; the bars indicate the range of values.