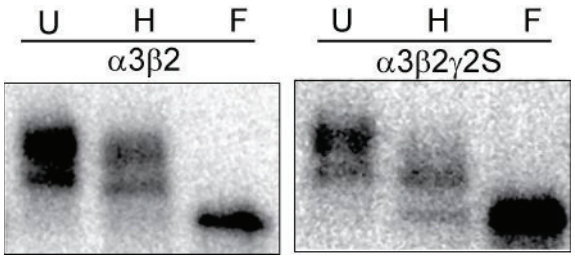
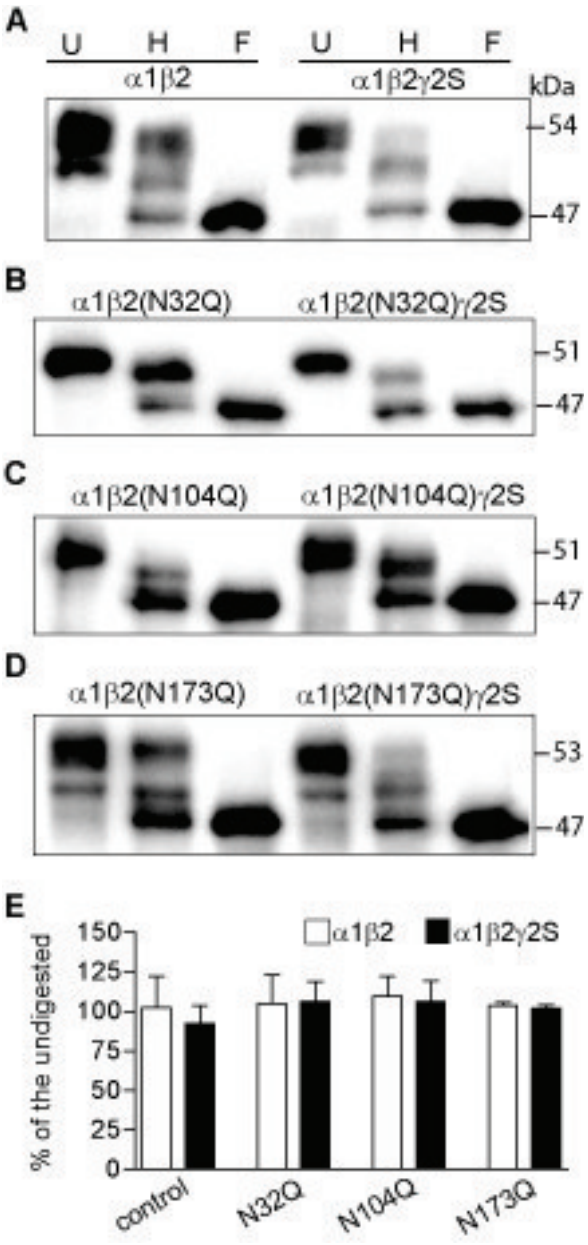


Supplemental Figure 1. Replacement of α1 subunits with α3 subunits did not caused apparent changes on the endo H digestion patterns of β2 subunits without or with γ2S subunit coexpression.

Surface proteins of HEK cells coexpressing α3β2 (left panel) or α3β2γ2S (right panel) subunits were biotinylated and pulled-down with streptavidin beads. The purified surface proteins were undigested (U) or digested with endo H (H) or PNGaseF (F) endoglycosidase. Surface proteins were then resolved by SDS-PAGE and probed with polyclonal anti-β2 subunit antibodies.



Supplemental Figure 2. Endo H digestion did not significantly decrease the total IDV.

A, Membrane proteins of HEK cells coexpressing α1β2 (left panel) or α1β2γ2S (right panel) subunits were undigested (U) or digested with endo H (H) or PNGaseF (F) endoglycosidase. Proteins were subjected to western blotting using anti-β2 subunit cytoplasmic loop antibodies. **B-D,** The same as in A, but the β2 subunits contained an Asn to Gln mutation of N32 (B), N104 (C) or N173 (D) glycosylation site. The combinations of subunit coexpression are indicated along the top of the panels. **E**, The total IDVs of endo H digested subunits were expressed as % of total IDVs of their corresponding undigested subunits. The white bars and black bars represented binary and ternary subunit coexpression, respectively. The β2 subunit mutations are indicated along the bottom of the graph.