Fig. S1. Cre-mediated *Rab7* Deletion (Modified from Ref. 2) [2]

The wild-type and modified versions of the mouse *Rab7* locus are shown. Positions of the exons are shown by vertical bars. The *lox*P sites are shown by black triangles.
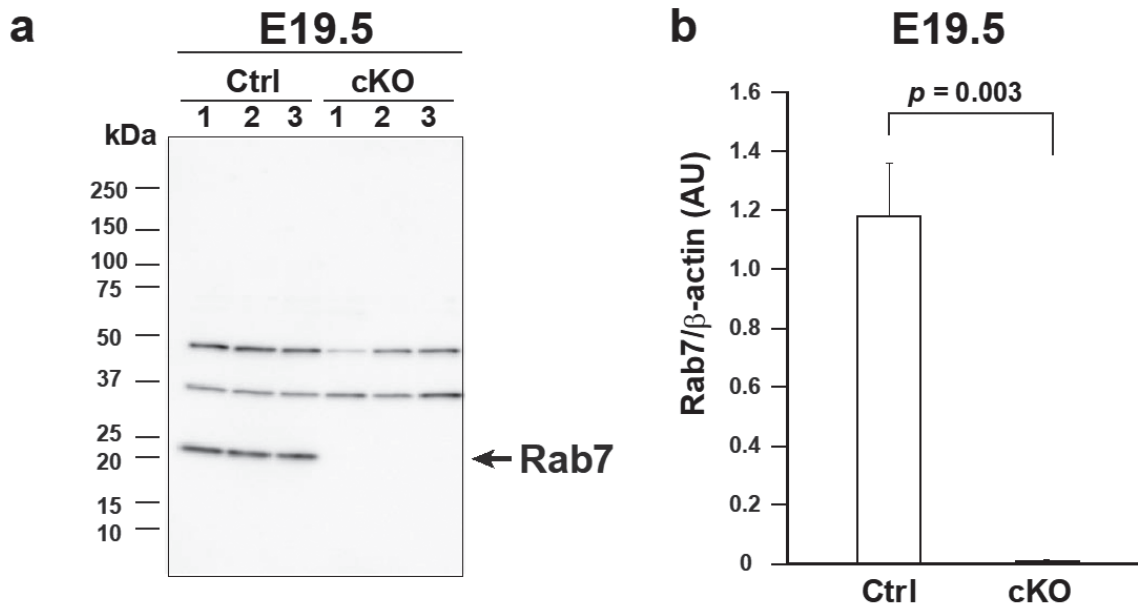

Fig. S2. Western Blotting Analysis of Rab7 in E19.5 Mucosa

The mucosa lysates prepared from *Rab7*^{fl/fl} mice and *Rab7*^{fl/fl} *VilCre*[Tg/+] were examined using immununoblotting (**a**). The relative amount of Rab7 was shown in **b**. The error bars denote the SEM and *p* value is shown in the graph.

Table S1

Primer set	Allele			Sex	
	$Rab7^+$	$Rab7^{fl}$	$VilCre^{Tg/+}$	Male	Female
Rab7-S15, Rab7-A16	321 bp	831 bp			
Cre-Fw, Cre-Rv			369 bp		
Zfy-Fw2, Zfy-Rv2				195 bp	

Table S2

Primer	Sequence	Description
Rab7-S15	5'- GGATAAAATAGCAGTAAAAGCACGGTCGGG-3'	*Rab7* intron 3-4, sense strand
Rab7-A16	5'- GGTGGATTTTTCTGAGTTTGAGGCCAGCCT-3'	*Rab7* intron 3-4, antisense strand
Cre-Fw	5'- ACCTGAAGATGTTCGCGATTATCT -3'	Bacteriophage P1, Cre recombinase sense strand
Cre-Rv	5'- ACCGTCAGTACGTGAGATATCTT -3'	Bacteriophage P1, Cre recombinase antisense strand
Zfy-Fw2	5'-TGGGTAGCCACATGCTTCTTGA-3'	Mouse Y chromosome, Zfy1 locus sense strand
Zfy-Rv2	5'-GGCTCAGCAACATGCCGTTCT-3'	Zfy1 locus antisense strand