

1 **MOVIE 1. Cat L activity is not detected in endosomes marked with GFP-Rab5.** The movie
2 shows cat L activity in a BSC-1 cell that was transiently transfected with GFP-Rab5. Images
3 were acquired at 1 frame every 5 seconds and are shown at 10 frames/sec. The panels
4 represent: left, merged; center, GFP-Rab5; right, cat L activity.

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6 **MOVIE 2. Cat L activity is detected in some, but not all, endosomes marked with GFP-**
7 **Rab7.** The movie shows cat L activity in a BSC-1 cell that was transiently transfected with GFP-
8 Rab7. Images were acquired at 1 frame every 5 seconds and are shown at 10 frames/sec. The
9 panels represent: left, merged; center, GFP-Rab7; right, cat L activity.

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11 **MOVIE 3. Cat L activity is detected in most endosomes marked with NPC1-GFP.** The
12 movie shows cat L activity in a BSC-1 cell that was transiently transfected with NPC1-GFP.
13 Images were acquired at 1 frame every 5 seconds and are shown at 10 frames/sec. The panels
14 represent: left, merged; center, NPC1-GFP; right, cat L activity.

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