

Title: Supplementary Movie 1 – FCHO1-WT-GFP clathrin-RFP

Description: FCHO1 proteins carrying patient-associated mutations fail to interact with clathrin. Engineered SK-MEL-2 cells expressing an RFP-tagged clathrin allele from endogenous locus and a GFP-FCHO1 fusion protein were imaged with 1s intervals using confocal microscopy. In the first section of each movie colours are separated, the GFP signal appears first, followed by the RFP signal. Later, both GFP and RFP signals appear combined.

Title: Supplementary Movie 2 – FCHO1-A34P-GFP clathrin-RFP

Description: FCHO1 proteins carrying patient-associated mutations fail to interact with clathrin. Engineered SK-MEL-2 cells expressing an RFP-tagged clathrin allele from endogenous locus and a GFP-FCHO1 fusion protein were imaged with 1s intervals using confocal microscopy. In the first section of each movie colours are separated, the GFP signal appears first, followed by the RFP signal. Later, both GFP and RFP signals appear combined.

Title: Supplementary Movie 3 – FCHO1-Stop687-GFP clathrin-RFP

Description: FCHO1 proteins carrying patient-associated mutations fail to interact with clathrin. Engineered SK-MEL-2 cells expressing an RFP-tagged clathrin allele from endogenous locus and a GFP-FCHO1 fusion protein were imaged with 1s intervals using confocal microscopy. In the first section of each movie colours are separated, the GFP signal appears first, followed by the RFP signal. Later, both GFP and RFP signals appear combined.