IDENTIFICATION OF A LYSOSOMAL PEPTIDE TRANSPORT SYSTEM INDUCED DURING DENDRITIC CELL DEVELOPMENT

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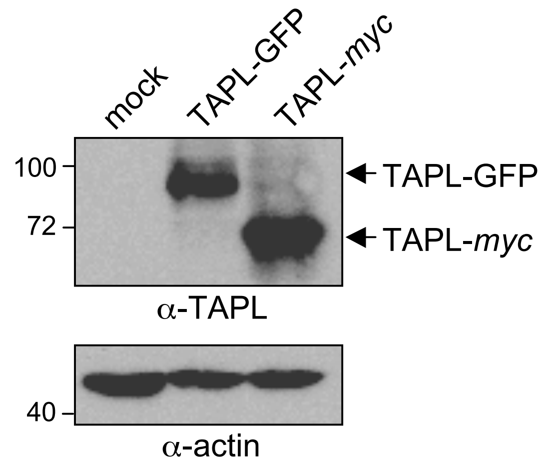
SUPPLEMENTAL FIGURES

Figure S1: Localization of TAPL in HeLa cells. (A) TAPL expression in HeLa cells. Expression of TAPL in HeLa cells transfected with TAPL-EGFP, TAPL-*myc* or an empty vector (mock) was analyzed by SDS-PAGE and immunoblotting using an epitope-purified anti-TAPL antibody. Equal loading was verified by anti-actin staining. **(B)** Co-localization studies with HeLa cells transfected with TAPL-EGFP. TAPL was detected via its EGFP fluorescence, whereas subcellular markers (LAMP-2 for lysosomes, EEA1 for early endosomes and calnexin for ER) were stained by specific antibodies. The deconvoluted micrographs as well as their merged images and the merge after co-localization analysis are shown. **(C)** Co-localization studies with HeLa cells transfected with TAPL-*myc*. TAPL was detected by anti-*myc* antibody (green) or by anti-TAPL antibody (red). The values for the Pearson-correlation are summarized in Table I. The bar scales to 10 µm.

Figure S2: Expression of TAPL in stably transduced THP-1 cells. Expression of TAPL in non-transduced or stably transduced THP-1 cells was analyzed by SDS-PAGE and immunoblotting using an epitope-purified anti-TAPL antibody. Equal loading was verified by anti-actin staining.

Figure S3: Expression of TAPL in stimulated THP-1 cells. THP-1 cells were cultivated in the presence or absence of *E. coli* as a stimulus. For stimulated cells, only adherent cells were harvested and TAPL expression was analyzed by SDS-PAGE and immunoblotting, using an epitope-purified anti-TAPL antibody. Equal loading was verified by anti-actin staining.

A



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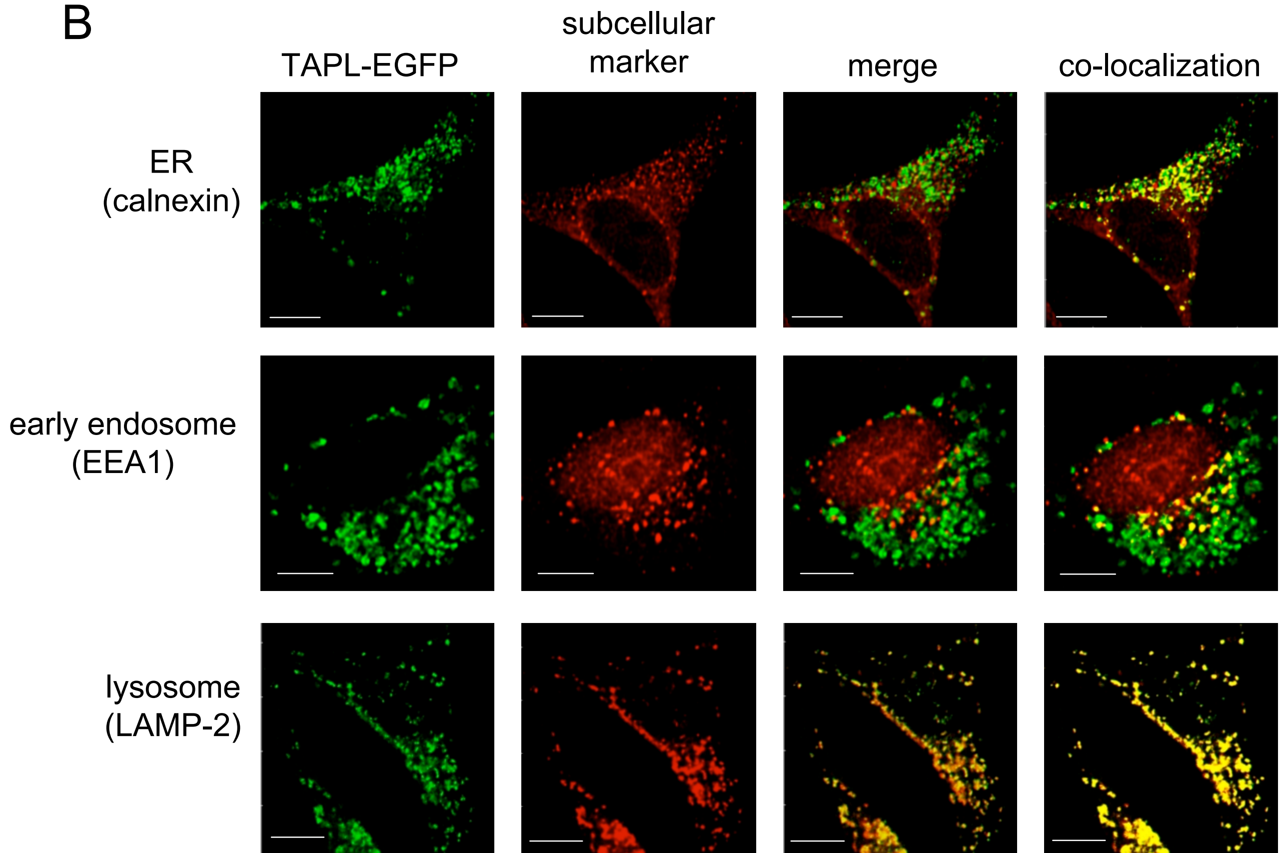
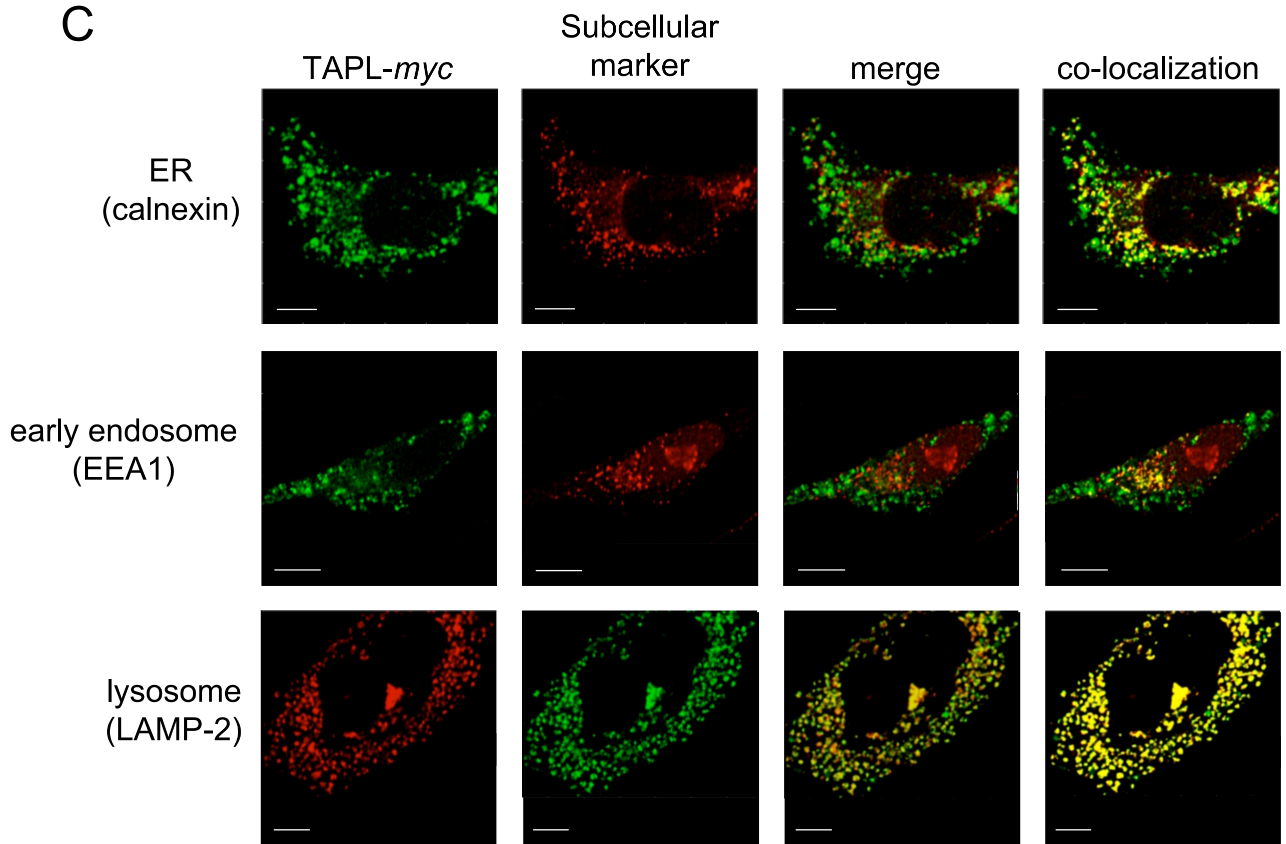
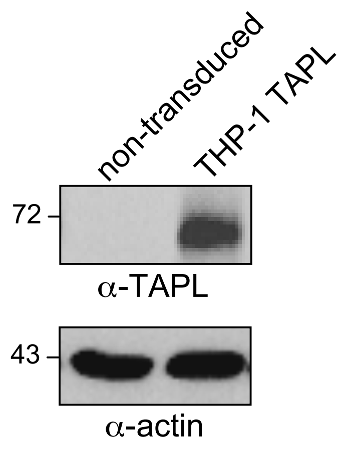


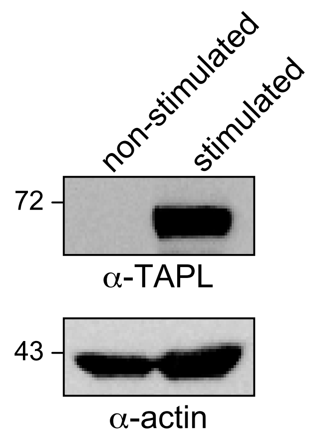
Suppl Figure S1



Suppl Figure S1



Suppl Figure S2



Suppl Figure S3