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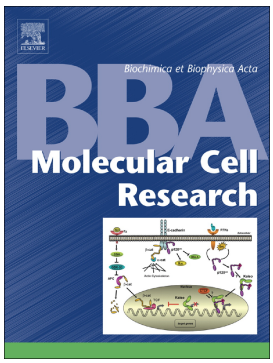

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Store-independent coupling between the Secretory Pathway Ca^{2+} transport ATPase SPCA1 and Orai1 in Golgi stress and Hailey-Hailey disease

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Key words: Golgi stress response, calcium transport, store operated Ca^{2+} entry, breast cancer, organelle contact site

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[1] **Abbreviations:** ER: Endoplasmic reticulum; GASE: Golgi Apparatus stress recognition element; HHD: Hailey-Hailey Disease; KD: knockdown; NFAT: Nuclear factor of activated T cells; NT: non-targeting; ROI: Region of interest; SICE: Store-independent Ca^{2+} entry; SOCE: Store-operated Ca^{2+} entry; SPCA: Secretory pathway Ca^{2+} ATPase; STIM1: Stromal interaction molecule 1; TFE3: Transcription factor E3; TG: Thapsigargin; TGN: *trans*-Golgi network; Xyloside: 4-methylumbelliferyl-β-D-xylopyranoside

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