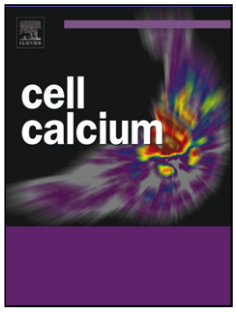

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Photoreceptor calcium sensor proteins in detergent-resistant membrane rafts are regulated via binding to caveolin-1

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Abbreviations: Cav1-101, N-terminal fragment of bovine caveolin-1; Cav81-101, peptide corresponding to scaffold domain of bovine caveolin-1; CNS, central nervous system; CAC, critical aggregation concentration; DRM, detergent-resistant membrane; EF1 - EF4, EF-hand Ca^{2+}-binding sites; GCAP, guanylate cyclase-activating protein; GPCR, G-protein coupled receptor; H1-H10, α-helixes of neuronal calcium sensor proteins examined in the study; HPLC, high-performance liquid chromatography; ITC, isothermal titration calorimetry; MA, myrisitic acid; NCS, neuronal calcium sensor; PDE6, phosphodiesterase 6; RGS9, regulator of G-protein signaling 9 (RGS9); RIS, rod inner segment; RK, rhodopsin kinase (GRK1); ROS, rod outer segment; ROS-GC, rod outer segment guanylate cyclase; SD, standard deviation; SPR, surface plasmon resonance, WT, wild type protein.

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