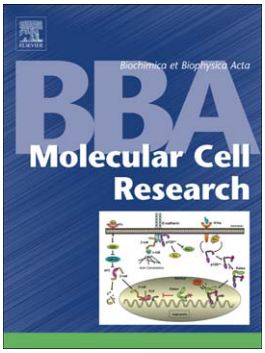

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Calcium dependent regulation of protein ubiquitination – interplay between E3 ligases and calcium binding proteins

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Abbreviations

ACK, activated Cdc42-associated tyrosine kinase; CaM, calmodulin; CAMKII; CaM dependent kinase II; DUBs, deubiquitinases; Herp, homocysteine inducible ER protein; MGRN1, Mahogunin Ring Finger1; NEDD4, neural precursor cell-expressed developmentally downregulated gene 4; POSH, plenty of SH3s; RING, Really Interesting New Gene; SCF, Skp1–Cullin–F-box.

Key words: Ubiquitin E3 ligase, calcium, Calmodulin, calcium mediated regulation