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Abbreviations: cAMP, cyclic adenosine monophosphate; cGMP, cyclic guanosine monophosphate; Cx43, Connexin 43; AJ, annular junction; SDS-PAGE, sodium dodecylsulfate-polyacrylamide gel electrophoresis; TPA, 12-O-tetradecanoylphorbol-13-acetate; ZO-1, zonula occludens-1; EGF, epidermal growth factor; PKC, protein kinase C; ERK1/2, extracellular signal-related kinase; ID, intercalated disc

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