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Title:	The Prospects of Cadherin-23 as a Mediator of Homophilic Cell-Cell Adhesion
Authors:	Sannigrahi, M.K. (/jspui/browse?type=author&value=Sannigrahi%2C+M.K.) Srinivas, S. (/jspui/browse?type=author&value=Srinivas%2C+S.) Rakshit, S. (/jspui/browse?type=author&value=Rakshit%2C+S.)
Keywords:	Nonclassical cadherins Cadherin-23 Cell-cell adhesion Cancer
Issue Date:	2018
Publisher:	Springer New York LLC
Citation:	Advances in Experimental Medicine and Biology, 1112, pp. 99-105
Abstract:	Cadherins (calcium-dependent adhesion proteins) constitute a family of cell surface proteins that mediate cell-cell adhesion and actively participate in tissue morphogenesis and in mediating tissue integrity. The ecto-domains of cadherins from opposing cell surfaces interact with each other to form the load-bearing trans-dimers and mechanically hold cells together. The "classical" cadherins and desmosomes that form separate groups in cadherin superfamily are mostly explored for their roles in cell-cell adhesion. However, majority of cadherins in cells belong to "nonclassical" group which is poorly explored in the context of their cell-binding properties. This review focuses on the role of "nonclassical" cadherin, cadherin-23, in cell-cell adhesion. Overall, this review highlights the need for further investigations on the role of "nonclassical" cadherin-23 in cell-cell adhesion.
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