

Adhesion Class GPCRs in GtoPdb v.2023.1

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Abstract

Adhesion GPCRs are structurally identified on the basis of a large extracellular region, similar to the Class B GPCR, but which is linked to the 7TM region by a GPCR autoproteolysis-inducing (GAIN) domain [10] containing a GPCR proteolysis site (GPS). The N-terminal extracellular region often shares structural homology with adhesive domains (e.g. cadherins, immunoglobulin, lectins) facilitating inter- and matrix interactions and leading to the term adhesion GPCR [104, 418]. Several receptors have been suggested to function as mechanosensors [320, 288, 396, 38]. Cryo-EM structures of the 7-transmembrane domain of several adhesion GPCRs have been determined recently [292, 21, 403, 212, 300, 302, 431, 293]. **The nomenclature of these receptors was revised in 2015 as recommended by NC-IUPHAR and the Adhesion GPCR Consortium [125].**

Contents

This is a citation summary for Adhesion Class GPCRs in the [Guide to Pharmacology](#) database (GtoPdb). It exists purely as an adjunct to the database to facilitate the recognition of citations to and from the database by citation analyzers. Readers will almost certainly want to visit the relevant sections of the database which are given here under database links.

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Please note that the database version for the citations given in GtoPdb are to the most recent preceding version in which the family or its subfamilies and targets were substantially changed. The links below are to the current version. If you need to consult the cited version, rather than the most recent version, please contact the GtoPdb curators.

Database links

Adhesion Class GPCRs

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=17>

Introduction to Adhesion Class GPCRs

<https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=17>

Receptors

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ADGRA2

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ADGRE3

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