Type VIII RTKs: ROR family in GtoPdb v.2025.3

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Abstract

ROR1 and ROR2 are involved in regulating Wnt-5a signalling. There is evidence that ROR1 and ROR2 can form heteromeric complexes. Due to their role in cancer, therapies targeting RORs are under investigation. Thus, ROR1 and ROR2 appear to be activated by Wnt-5a binding to a Frizzled receptor thereby forming a cell-surface multiprotein complex [3].

Contents

This is a citation summary for Type VIII RTKs: ROR family 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.

GtoPdb is an expert-driven guide to pharmacological targets and the substances that act on them. GtoPdb is a reference work which is most usefully represented as an on-line database. As in any publication this work should be appropriately cited, and the papers it cites should also be recognized. This document provides a citation for the relevant parts of the database, and also provides a reference list for the research cited by those parts. For further details see [1].

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

Type VIII RTKs: ROR family
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=332
  Receptors
      ROR1(receptor tyrosine kinase like orphan receptor 1)
      https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1845
      ROR2(receptor tyrosine kinase like orphan receptor 2)
      https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1846

References

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2. FDA. Orphan drug designation for conditionally active biologics-anti-ROR2-antibody drug conjugate https://www.accessdata.fda.gov/scripts/opdlisting/oopd/detailedIndex.cfm?cfgridkey=663018. Accessed on 14/02/2019.
3. Grumolato L, Liu G, Mong P, Mudbhary R, Biswas R, Arroyave R, Vijayakumar S, Economides AN and Aaronson SA. (2010) Canonical and noncanonical Wnts use a common mechanism to activate completely unrelated coreceptors. *Genes Dev* **24**: 2517-30 [PMID:21078818]