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Type XV RTKs: RYK in GtoPdb v.2025.3

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Abstract

The 'related to tyrosine kinase receptor' (Ryk) is structurally atypical of the family of RTKs, particularly in the activation and ATP-binding domains, lacking kinase activity akin to ROR1/2. Similarly, however, there is evidence that RTK is involved in Wnt signalling [2].

Contents

This is a citation summary for Type XV RTKs: RYK 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 XV RTKs: RYK
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=795
- Receptors
  - RYK(receptor like tyrosine kinase)
    https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1849

References

1. Buneman P, Christie G, Davies JA, Dimitrellou R, Harding SD, Pawson AJ, Sharman JL and Wu Y. (2020) Why data citation isn't working, and what to do about it *Database* **2020** [PMID:32367113]
2. Puppo F, Thomé V, Lhoumeau AC, Cibois M, Gangar A, Lembo F, Belotti E, Marchetto S, Lécine P and Prébet T *et al*.. (2011) Protein tyrosine kinase 7 has a conserved role in Wnt/β-catenin canonical signalling. *EMBO Rep* **12**: 43-9 [PMID:21132015]