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Oxoglutarate receptor in GtoPdb v.2023.1

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Abstract

Nomenclature as recommended by NC-IUPHAR [3].

Contents

This is a citation summary for Oxoglutarate receptor 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 [2].

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

Oxoglutarate receptor
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=447

Receptors

oxoglutarate receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=162

References

1. Abbracchio MP, Burnstock G, Boeynaems JM, Barnard EA, Boyer JL, Kennedy C, Miras-Portugal MT, King BF, Gachet C and Jacobson KA *et al.*. (2005) The recently deorphanized GPR80 (GPR99) proposed to be the P2Y15 receptor is not a genuine P2Y receptor. *Trends Pharmacol Sci* **26**: 8-9 [PMID:15629198]
2. 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]
3. Davenport AP, Alexander SP, Sharman JL, Pawson AJ, Benson HE, Monaghan AE, Liew WC, Mpamhanga CP, Bonner TI and Neubig RR *et al.*. (2013) International Union of Basic and Clinical Pharmacology. LXXXVIII. G protein-coupled receptor list: recommendations for new pairings with cognate ligands.

Pharmacol Rev **65**: 967-86 [PMID:23686350]

4. He W, Miao FJ, Lin DC, Schwandner RT, Wang Z, Gao J, Chen JL, Tian H and Ling L. (2004) Citric acid cycle intermediates as ligands for orphan G-protein-coupled receptors. *Nature* **429**: 188-93 [PMID:15141213]
5. Inbe H, Watanabe S, Miyawaki M, Tanabe E and Encinas JA. (2004) Identification and characterization of a cell-surface receptor, P2Y15, for AMP and adenosine. *J Biol Chem* **279**: 19790-9 [PMID:15001573]
6. Kanaoka Y, Maekawa A and Austen KF. (2013) Identification of GPR99 protein as a potential third cysteinyl leukotriene receptor with a preference for leukotriene E4 ligand. *J Biol Chem* **288**: 10967-72 [PMID:23504326]
7. Lee DK, Nguyen T, Lynch KR, Cheng R, Vanti WB, Arkhitko O, Lewis T, Evans JF, George SR and O'Dowd BF. (2001) Discovery and mapping of ten novel G protein-coupled receptor genes. *Gene* **275**: 83-91 [PMID:11574155]
8. Lu CY, Hsieh SY, Lu YJ, Wu CS, Chen LC, Lo SJ, Wu CT, Chou MY, Huang TH and Chang YS. (2009) Aberrant DNA methylation profile and frequent methylation of KLK10 and OXGR1 genes in hepatocellular carcinoma. *Genes Chromosomes Cancer* **48**: 1057-68 [PMID:19760608]
9. Southern C, Cook JM, Neetoo-Isseljee Z, Taylor DL, Kettleborough CA, Merritt A, Bassoni DL, Raab WJ, Quinn E and Wehrman TS *et al.*. (2013) Screening β-Arrestin Recruitment for the Identification of Natural Ligands for Orphan G-Protein-Coupled Receptors. *J Biomol Screen* **18**: 599-609 [PMID:23396314]
10. Wittenberger T, Hellebrand S, Munck A, Kreienkamp HJ, Schaller HC and Hampe W. (2002) GPR99, a new G protein-coupled receptor with homology to a new subgroup of nucleotide receptors. *BMC Genomics* **3**: 17 [PMID:12098360]