

Type XX RTKs: STYK1 in GtoPdb v.2025.3

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Abstract

Similar to the LMR RTK family, STYK1 has a truncated extracellular domain, but also displays a relatively short intracellular tail beyond the split kinase domain. Also known as NOK, STYK1 has been linked to EGFR signalling [2, 3].

Contents

This is a citation summary for Type XX RTKs: STYK1 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 XX RTKs: STYK1

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=668>

Receptors

[STYK1 \(serine/threonine/tyrosine kinase 1\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2229>

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. Ding X, Jiang QB, Li R, Chen S and Zhang S. (2012) NOK/STYK1 has a strong tendency towards forming aggregates and colocalises with epidermal growth factor receptor in endosomes. *Biochem Biophys Res Commun* **421**: 468-73 [PMID:22516751]
3. Eggermont C, Giron P, Noeparast M, Vandenplas H, Aza-Blanc P, Gutierrez GJ and De Grève J. (2022) The EGFR-STYK1-FGF1 axis sustains functional drug tolerance to EGFR inhibitors in EGFR-mutant non-small cell lung cancer. *Cell Death Dis* **13**: 611 [PMID:35840561]