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Type XIII RTKs: Ephrin receptor family in GtoPdb v.2025.3

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Abstract

Ephrin receptors are a family of 15 RTKs - the largest family of RTKs - with two identified subfamilies (EphA and EphB), which have a role in the regulation of neuronal development, cell migration, patterning and angiogenesis. Their ligands are membrane-associated proteins, thought to be glycosylphosphatidylinositol-linked for EphA (ephrin-A1 , ephrin-A2, ephrin-A3, ephrin-A4 and ephrin-A5) and transmembrane proteins for Ephrin B (ENSFM00250000002014: ephrin-B1, ephrin-B2 and ephrin-B3). Ephrin-A3 and ephrin-B3 have also been shown to interact with heparan sulphate proteoglycans [22].

Contents

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Database links

Type XIII RTKs: Ephrin receptor family
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=327
Introduction to Type XIII RTKs: Ephrin receptor family
https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=327

Receptors

- EphA1(EPH receptor A1)
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1821
- EphA2(EPH receptor A2)
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1822
- EphA3(EPH receptor A3)
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- EphA4(EPH receptor A4)
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- EphA5(EPH receptor A5)
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1825
- EphA6(EPH receptor A6)
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1826
- EphA7(EPH receptor A7)
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- EphA8(EPH receptor A8)

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EphB6(EPH receptor B6)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1834

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