

Calcium- and sodium-activated potassium channels (K_{Ca} , K_{Na}) in GtoPdb v.2023.1

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Abstract

Calcium- and sodium- activated potassium channels are members of the 6TM family of K channels which comprises the voltage-gated K_V subfamilies, including the KCNQ subfamily, the EAG subfamily (which includes hERG channels), the Ca^{2+} -activated Slo subfamily (actually with 6 or 7TM) and the Ca^{2+} - and Na^+ -activated SK subfamily (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Calcium- and sodium-activated potassium channels [126]**). As for the 2TM family, the pore-forming subunits form tetramers and heteromeric channels may be formed within subfamilies (e.g. $K_V1.1$ with $K_V1.2$; KCNQ2 with KCNQ3).

Contents

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Database links

[Calcium- and sodium-activated potassium channels \(\$K_{Ca}\$, \$K_{Na}\$ \)](#)

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=69>

[Introduction to Calcium- and sodium-activated potassium channels \(\$K_{Ca}\$, \$K_{Na}\$ \)](#)

<https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=69>

Channels and Subunits

K_{Ca}1.1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=380>

K_{Ca}2.1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=381>

K_{Ca}2.2

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=382>

K_{Ca}2.3

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=383>

K_{Ca}3.1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=384>

K_{Na}1.1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=385>

K_{Na}1.2

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=386>

K_{Ca}5.1

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=387>

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