

Calcium- and sodium-activated potassium channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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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 [124]**). 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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[Calcium- and sodium-activated potassium channels](#)

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

Introduction to Calcium- and sodium-activated potassium channels

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Channels and Subunits

K_{Ca}1.1

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K_{Ca}2.1

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K_{Ca}2.2

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K_{Na}1.1

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K_{Na}1.2

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K_{Ca}5.1

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

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