

ABCA subfamily in GtoPdb v.2023.1

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Abstract

To date, 12 members of the human ABCA subfamily are identified. They share a high degree of sequence conservation and have been mostly related with lipid trafficking in a wide range of body locations. Mutations in some of these genes have been described to cause severe hereditary diseases related with lipid transport, such as fatal surfactant deficiency or harlequin ichthyosis. In addition, most of them are hypothesized to participate in the subcellular sequestration of drugs, thereby being responsible for the resistance of several carcinoma cell lines against drug treatment [1, 2].

Contents

This is a citation summary for ABCA subfamily 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 [3].

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

[ABCA subfamily](#)

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=151>

Transporters

[ABC1, CERP\(ABCA1\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=756>

[ABC2\(ABCA2\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=757>

[ABC3, ABCC\(ABCA3\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=758>

[ABCR\(ABCA4\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=759>

[ABCA5](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=760>

ABCA6

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=761>

ABCA7

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=762>

ABCA8

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=763>

ABCA9

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=764>

ABCA10

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=765>

ABCA12

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=766>

ABCA13

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=767>

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