

Product datasheet

Anti-DHCR7 antibody ab103296

[7 References](#) [3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-DHCR7 antibody |
| Description | Rabbit polyclonal to DHCR7 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Fragment protein corresponding to amino acids 1-259 of Human DHCR7 (NP_001351.2). |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | pH: 7.4 Constituent: PBS |
| Purity | Protein A purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab103296 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/500 - 1/1000. Predicted molecular weight: 54 kDa. |

Target

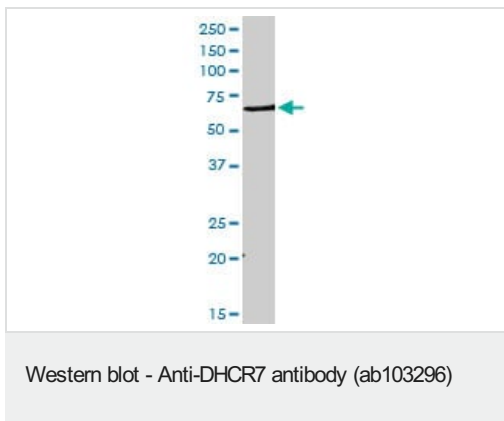
Relevance

The DHCR7 gene encodes delta-7-sterol reductase (EC 1.3.1.21), the penultimate enzyme of mammalian sterol biosynthesis that converts 7-dehydrocholesterol (7-DHC) to cholesterol. This enzyme removes the C(7-8) double bond introduced by the sterol delta8-delta7 isomerases. In addition, its role in drug-induced malformations is known: inhibitors of the last step of cholesterol biosynthesis such as AY9944 and BM15766 severely impair brain development (Moebius et al., 1998 [PubMed 9465114]).[OMIM]

Cellular localization

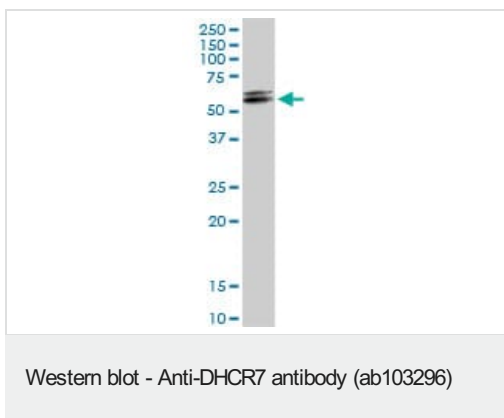
Endoplasmic reticulum membrane; Multi-pass membrane protein

Images



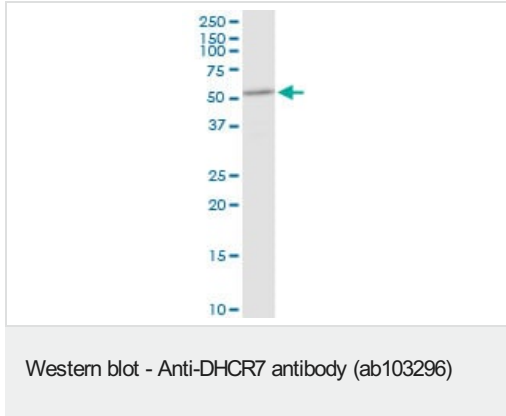
Anti-DHCR7 antibody (ab103296) at 1/500 dilution + Rat brain tissue lysate at 50 µg

Predicted band size: 54 kDa



Anti-DHCR7 antibody (ab103296) at 1/500 dilution + Mouse testis tissue lysate at 50 µg

Predicted band size: 54 kDa



Anti-DHCR7 antibody (ab103296) at 1/500 dilution + HepG2 cell lysate at 50 μ g

Predicted band size: 54 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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