

Datasheet for ABIN7565949  
**anti-CH25H antibody (C-Term)**



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## Overview

Quantity:	25 µL
Target:	CH25H
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CH25H antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	CH25H Antibody
Immunogen:	<p>Immunogen: Anti-CH25H antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-Terminal region of human CH25H conjugated to Keyhole Limpet Hemocyanin (KLH).</p> <p>Immunogen Type: Conjugated Peptide</p>
Cross-Reactivity (Details):	This affinity purified antibody is directed against human CH25H.
Characteristics:	Synonyms: Rabbit Anti-Cholesterol 25-Hydroxylase, Rabbit Anti-CH25H, Cholesterol 25-Monooxygenase, EC 1.14.99.38, H25OH, C25H
Purification:	This affinity purified antibody is directed against human CH25H.
Sterility:	Sterile filtered

## Target Details

Target:	CH25H
Alternative Name:	CH25H ( <a href="#">CH25H Products</a> )
Background:	<p>Background: CH25H (Cholesterol 25-Hydroxylase catalyzes the formation of 25-hydroxycholesterol from cholesterol, leading to repress cholesterol biosynthetic enzymes. CH25H plays a key role in cell positioning and movement in lymphoid tissues: 25-hydroxycholesterol is an intermediate in biosynthesis of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC), an oxysterol that acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for several lymphoid cells. It may play an important role in regulating lipid metabolism by synthesizing a corepressor that blocks sterol regulatory element binding protein (SREBP) processing. In testis, production of 25-hydroxycholesterol by macrophages may play a role in Leydig cell differentiation. Anti-CH25H Antibody is useful for researchers interested in Alzheimer's Disease, Neuroscience, and metabolism.</p>
Gene ID:	9023
NCBI Accession:	<a href="#">NP_003947</a>
UniProt:	<a href="#">O95992</a>

## Application Details

Application Notes:	<p>Application Note: Anti-CH25H Antibody has been tested in ELISA, WB, and IHC. Expect a band at ~31.7 kDa in western blot using appropriate tissues or lysates. Positive control used: Human Kidney Tissues in Immunohistochemistry. Immunohistochemistry Dilution: 1:100 Western Blot Dilution: 1:1,000 ELISA Dilution: 1:10,000 - 1:50,000</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.92 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: None</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

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should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

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Expiry Date: 12 months