

Datasheet for ABIN655399

anti-DHCR7 antibody (C-Term)**6** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	DHCR7
Binding Specificity:	AA 437-463, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DHCR7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DHCR7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-463 amino acids from the C-terminal region of human DHCR7.
Clone:	RB17942
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DHCR7
Alternative Name:	DHCR7 (DHCR7 Products)

Target Details

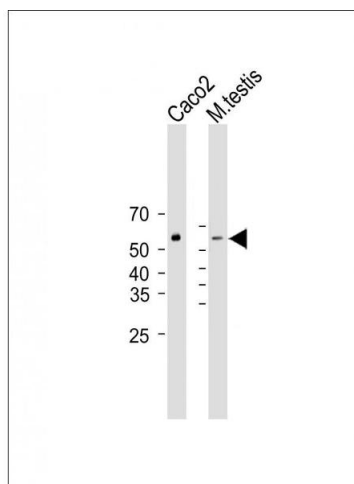
Background:	This gene encodes an enzyme that removes the C(7-8) double bond in the B ring of sterols and catalyzes the conversion of 7-dehydrocholesterol to cholesterol. This gene is ubiquitously expressed and its transmembrane protein localizes to the endoplasmic reticulum membrane and nuclear outer membrane. Mutations in this gene cause Smith-Lemli-Opitz syndrome (SLOS), a syndrome that is metabolically characterized by reduced serum cholesterol levels and elevated serum 7-dehydrocholesterol levels and phenotypically characterized by mental retardation, facial dysmorphism, syndactyly of second and third toes, and holoprosencephaly in severe cases to minimal physical abnormalities and near-normal intelligence in mild cases. Alternative splicing results in multiple transcript variants that encode the same protein.
Molecular Weight:	54489
Gene ID:	1717
NCBI Accession:	NP_001157289 , NP_001351
UniProt:	Q9UBM7

Application Details

Application Notes:	IF: 1:25. IF: 1:10~50. WB: 1:2000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

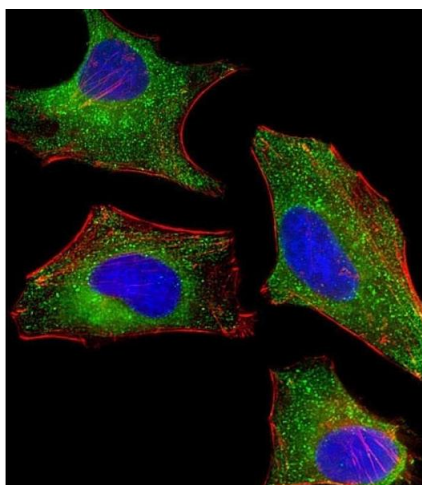
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



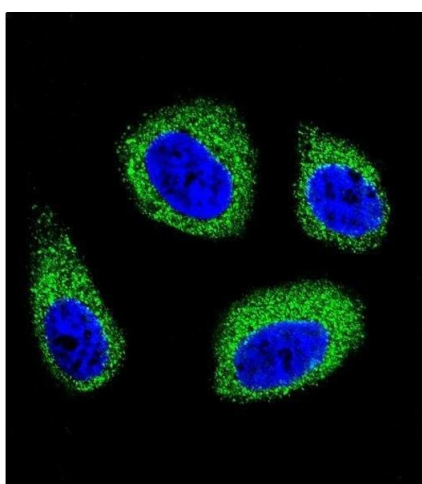
Western Blotting

Image 1. All lanes : Anti-DHCR7 Antibody (C-term) at 1:2000 dilution Lane 1: Caco2 whole cell lysate Lane 2: mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (AS) at 1/15000 dilution. Observed band size : 55 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling Pdx1 with B at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DI (blue).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of DHCR7 Antibody (C-term) (ABIN655399 and ABIN2844946) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN655399.