

Rabbit anti-Human, Mouse DHCR7 Polyclonal Antibody | anti-DHCR7 antibody

DHCR7 Antibody (C-term)

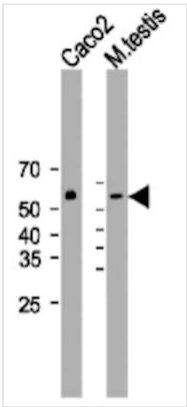
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28753	Rabbit	Human, Mouse	Western Blot, ELISA, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

DHCR7; Polyclonal Antibody; DHCR7 Antibody (C-term); 7-dehydrocholesterol reductase; 7-DHC reductase; Putative sterol reductase SR-2; Sterol Delta(7)-reductase; D7SR; anti-DHCR7 antibody

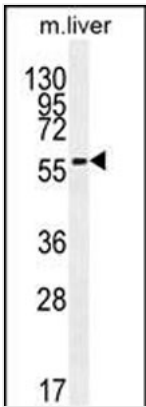
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	437-463
Sequence Length	475
Applicable Applications for anti-DHCR7 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	IF~~ 1:10~50 WB~~1:2000 IHC-P~~1:50~100
Function	7-dehydrocholesterol reductase of the cholesterol biosynthetic pathway reducing the C7-C8 double bond of cholesta-5,7- dien-3beta-ol (7-dehydrocholesterol/7-DHC) and cholesta-5,7,24-trien- 3beta-ol, two intermediates in that pathway.
Cellular Location	Endoplasmic reticulum membrane; Multi-passmembrane protein
Tissue Location	Widely expressed. Most abundant in adrenal gland, liver, testis,and brain.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



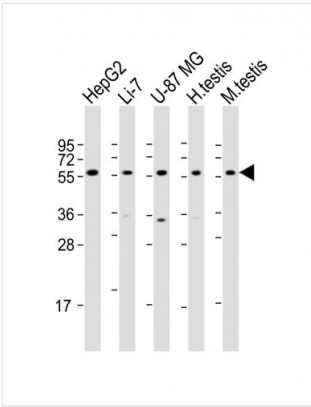
WB (Western Blot)

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 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (please inquire) at 1/15000 dilution.Observed band size : 55kDa Blocking/Dilution buffer: 5% NFDm/TBST.



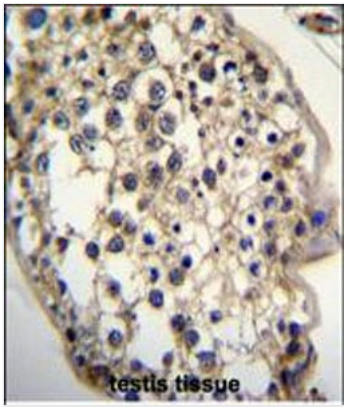
WB (Western Blot)

DHCR7 Antibody (C-term) (AAA28753) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the DHCR7 antibody detected the DHCR7 protein(arrow).



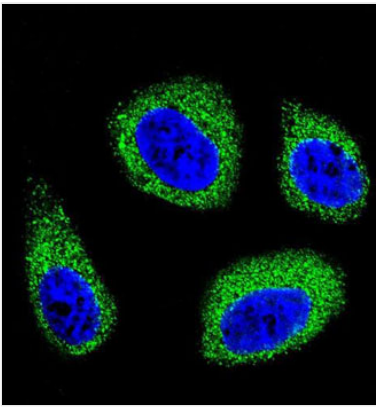
WB (Western Blot)

All lanes : Anti-DHCR7 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Li-7 whole cell lysate Lane 3: U-87MG whole cell lysate Lane 4: mouse testis lysate Lysates/proteins at 20 ug per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidaseconjugated at 1/10000 dilution. Predicted bandsize : 54 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



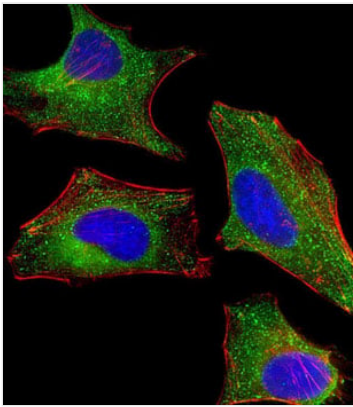
IHC (Immunohistochemistry)

DHCR7 Antibody (C-term) (AAA28753) Immunohistochemistry analysis informalin fixed and paraffin embedded humantestis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DHCR7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of DHCR7 Antibody (C-term) (AAA28753) with MCF-7 cell followed by Alexa Fluor488-conjugated goat anti-rabbit IgG(green).DAPI was used to stain the cell nuclear(blue).



IF (Immunofluorescence)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized HeLa (human cervical epithelialadeno carcinoma cell line) cells labeling Pdx1with AAA28753 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight®554 Phalloidin at 1/100 dilution(red). The nuclear counter stain is DAPI (blue).

ADDITIONAL INFORMATION

Product Categories/Family for anti-DHCR7 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Koo, G., et al. Am. J. Med. Genet. A 152A (8), 2094-2098 (2010) : Wang, T.J., et al. Lancet 376(9736):180-188(2010) Ahn, J., et al. Hum. Mol. Genet. 19(13):2739-2745(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	255308875
NCBI GeneID	1717
NCBI Accession #	NP_001157289.1; NP_001351.2
NCBI GenBank Nucleotide #	NM_001163817.1
UniProt Accession #	Q9UBM7; O60492; O60717; B2R6Z2
NCBI Official Full Name	7-dehydrocholesterol reductase
NCBI Official Synonym Full Names	7-dehydrocholesterol reductase
NCBI Official Symbol	DHCR7
NCBI Official Synonym Symbols	SLOS
NCBI Protein Information	7-dehydrocholesterol reductase
UniProt Protein Name	7-dehydrocholesterol reductase
UniProt Gene Name	DHCR7
UniProt Synonym Gene Names	D7SR; 7-DHC reductase
UniProt Entry Name	DHCR7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dhcr7-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28753>