

## DATASHEET

# DHCR7 Rabbit Polyclonal Antibody

CAT. NO. APA15448

### KEY FEATURES

Target	DHCR7	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Oxidoreductase that catalyzes the last step of the cholesterol synthesis pathway, which transforms cholesta-5,7-dien-3beta-ol (7-dehydrocholesterol, 7-DHC) into cholesterol by reducing the C7-C8 double bond of its sterol core into cholesterol by reducing the C7-C8 double bond of its sterol core. Can also metabolize cholesta-5,7,24-trien-3beta-ol (7-dehydrodemosterol, 7-DHD) to desmosterol, which is then metabolized by the Delta(24)-sterol reductase (DHCR24) to cholesterol.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

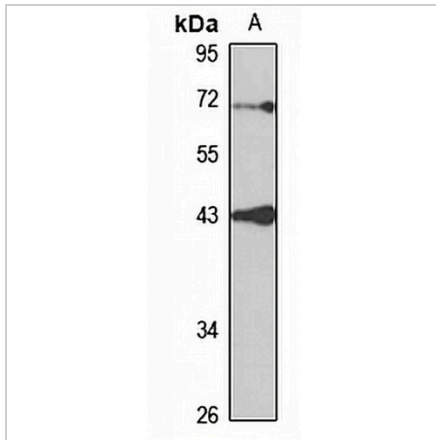
Description	Rabbit polyclonal antibody to DHCR7
Specificity	Recognizes endogenous levels of DHCR7 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DHCR7. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 54 kD; Observed: 70 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	D7SR; 7-dehydrocholesterol reductase; 7-DHC reductase; Putative sterol reductase SR-2; Sterol Delta(7)-reductase
Gene Symbol	DHCR7
Entrez Gene	1717(Human); 13360(Mouse)
SwissProt	Q9UBM7(Human); O88455(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of DHCR7 expression in HepG2 (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 70 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.