

#### OriGene Technologies, Inc.

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# Product datasheet for TA361232

## **DHCR7 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies	
Applications:	WB	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DHCR7	
Specificity:	Expected reactivity: Human	
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.	
Concentration:	lot specific	
Purification:	Affinity purified	
Conjugation:	Unconjugated	
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.	
Stability:	Shelf life: one year from despatch.	
Predicted Protein Size:	52 kDa	
Gene Name:	7-dehydrocholesterol reductase	
Database Link:	<u>NP_001157289.1</u> <u>Entrez Gene 1717 Human</u> <u>Q9UBM7</u>	



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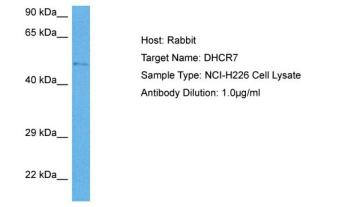
# **DHCR7** Rabbit Polyclonal Antibody – TA361232

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.
Synonyms:	D7SR; SLOS

Protein Families:	Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Steroid biosynthesis

### **Product images:**



Host: Rabbit Target Name: DHCR7 Sample Tissue: Human NCI-H226 Whole Cell lysates Antibody Dilution: 1ug/ml

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