



Anti-DHCR24 monoclonal antibody (DCABH-11269)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a flavin adenine dinucleotide (FAD)-dependent oxidoreductase which catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis. The protein contains a leader sequence that directs it to the endoplasmic reticulum membrane. Missense mutations in this gene have been associated with desmosterolosis. Also, reduced expression of the gene occurs in the temporal cortex of Alzheimer disease patients and overexpression has been observed in adrenal gland cancer cells.
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Immunogen	A synthetic peptide of human DHCR24 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DHCR24 24-dehydrocholesterol reductase [Homo sapiens]
Official Symbol	DHCR24
Synonyms	DHCR24; 24-dehydrocholesterol reductase; delta(24)-sterol reductase; KIAA0018; seladin 1; diminuto/dwarf1 homolog; selective AD indicator 1; desmosterol-to-cholesterol enzyme; 3 beta-hydroxysterol delta 24-reductase; 3-beta-hydroxysterol delta-24-reductase; DCE; SELADIN1; Nbla03646; seladin-1;
Entrez Gene ID	1718
Protein Refseq	NP_055577
UniProt ID	Q15392
Chromosome Location	1p32.3
Pathway	Cholesterol biosynthesis, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide => cholesterol, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide => cholesterol, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	UDP-N-acetylmuramate dehydrogenase activity; delta24-sterol reductase activity; enzyme binding; flavin adenine dinucleotide binding; oxidoreductase activity, acting on CH-OH group of donors; oxidoreductase activity, acting on the CH-CH group of donors, NA