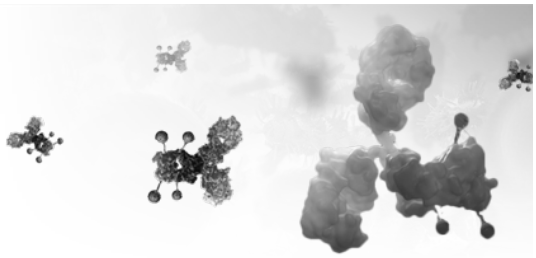

Human RDH5 blocking peptide (CDBP2497)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RDH5 antibody
Antigen Description	This gene encodes an enzyme belonging to the short-chain dehydrogenases/reductases (SDR) family. This retinol dehydrogenase functions to catalyze the final step in the biosynthesis of 11-cis retinaldehyde, which is the universal chromophore of visual pigments. Mutations in this gene cause autosomal recessive fundus albipunctatus, a rare form of night blindness that is characterized by a delay in the regeneration of cone and rod photopigments. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream BLOC1S1 (biogenesis of lysosomal organelles complex-1, subunit 1) gene. [provided by RefSeq, Dec 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RDH5 retinol dehydrogenase 5 (11-cis/9-cis) [Homo sapiens]
Official Symbol	RDH5

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Synonyms	RDH5; retinol dehydrogenase 5 (11-cis/9-cis); RDH1, retinol dehydrogenase 5 (11 cis and 9 cis); 11-cis retinol dehydrogenase; HSD17B9; SDR9C5; short chain dehydrogenase/reductase family 9C; member 5; 11-cis RDH; retinol dehydrogenase 1; 9-cis-retinol specific dehydrogenase; retinol dehydrogenase 5 (11-cis and 9-cis); short chain dehydrogenase/reductase family 9C, member 5; RDH1; FLJ39337; FLJ97089;
Entrez Gene ID	5959
mRNA Refseq	NM_001199771
Protein Refseq	NP_001186700
UniProt ID	Q92781
Chromosome Location	12q13-q14
Pathway	Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Visual signal transduction: Cones, organism-specific biosystem; Visual signal transduction: Rods, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; the visual cycle, conserved biosystem; the visual cycle, organism-specific biosystem;
Function	nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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