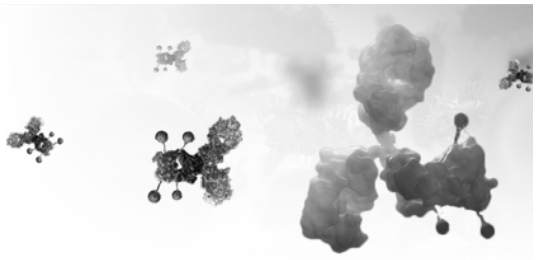

Anti-RDH5 (aa 181-280) polyclonal antibody (DPAB-DC2685)

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

PRODUCT INFORMATION

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.
Immunogen	RDH5 (AAH28298, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. The sequence is GLEAFSDSLRRDVAHFGIRVSIVEPGFFRTPVTNLESLEKTLQACWARLPPATQAHYGGA FLTKYLKMQQRIMNLICDPDLTKVSRCLEHALTARHPRTR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	RDH5 retinol dehydrogenase 5 (11-cis/9-cis) [Homo sapiens (human)]
Official Symbol	RDH5
Synonyms	RDH5; retinol dehydrogenase 5 (11-cis/9-cis); RDH1; 9cRDH; SDR9C5; HSD17B9; 11-cis retinol dehydrogenase; 11-cis RDH; 11-cis RoDH; retinol dehydrogenase 1; 9-cis retinol dehydrogenase; 9-cis-retinol specific dehydrogenase; retinol dehydrogenase 5 (11-cis and 9-cis); short chain dehydrogenase/reductase family 9C, member 5;
Entrez Gene ID	5959
Protein Refseq	NP_001186700
UniProt ID	A0A024RB18
Chromosome Location	12q13-q14
Pathway	Disease; Retinol metabolism; Signal Transduction; Visual phototransduction.
Function	retinol dehydrogenase activity;

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