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# RDH5

**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**35kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human RDH5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

RDH1; 9cRDH; SDR9C5; HSD17B9;

**Catalog #:**A8055

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5959

**Isotype:**IgG

**Swiss Prot:**Q92781

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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