

RDH5 Polyclonal antibody

Catalog Number: **13140-1-AP**

Basic Information

Catalog Number:

13140-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3784

GenBank Accession Number:

BC028298

GeneID (NCBI):

5959

UNIPROT ID:

Q92781

Full Name:

retinol dehydrogenase 5 (11-cis/9-cis)

Calculated MW:

318 aa, 35 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse eye tissue, rat eye tissue

Background Information

RDH5, also named as RDH1, SDR9C5 and HSD17B9, belongs to short-chain dehydrogenases/reductases (SDR) family. RDH5 catalyzes the oxidation of cis-isomers of retinol in an NAD-dependent manner for the final step in the biosynthesis of 11-cis retinaldehyde. Mutations in this gene are associated with fundus albipunctatus, an autosomal recessive eye disease characterized by stationary night blindness and accumulation of white spots in the retina (PubMed:11675386). The predicted size of this protein is 35 kDa. Some paper have reported that the molecular weight is 32 kDa and could form a dimer of about 60 kDa.

Storage

Storage:

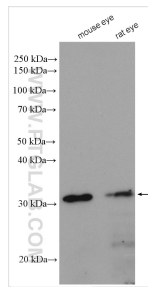
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13140-1-AP (RDH5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.