For Research Use Only

RDH5 Polyclonal antibody

Catalog Number:13140-1-AP

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Basic Information

Catalog Number:
13140-1-AP

Size:
150ul , Concentration: 500 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3784

GenBank Accession Number:
BC028298

GeneID (NCBI):
5959

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.

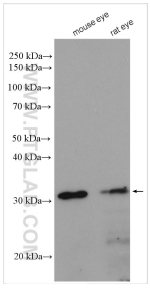
Storage

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

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.