

For Research Use Only

RDH5 Polyclonal antibody

Catalog Number: 13140-1-AP



Basic Information

Catalog Number: 13140-1-AP	GenBank Accession Number: BC028298	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 5959	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q92781	
Isotype: IgG	Full Name: retinol dehydrogenase 5 (11-cis/9-cis)	
Immunogen Catalog Number: AG3784	Calculated MW: 318 aa, 35 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse eye tissue, rat eye tissue
Species Specificity: human, mouse, rat	

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

For technical support and original validation data for this product please contact:

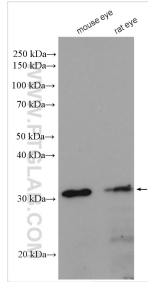
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Selected Validation Data



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.