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Product datasheet for TA338059

RDH8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RDH8 antibody is: synthetic peptide directed towards the middle region of Human RDH8. Synthetic peptide located within the following region: FDTNFFGAVRLVKAVLPGMKRRRQGHIVVISSVMGLQGVIFNDVYAASKF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	retinol dehydrogenase 8 (all-trans)
Database Link:	NP_056540 Entrez Gene 50700 Human Q9NYR8
Background:	All-trans-retinol dehydrogenase (RDH8) is a visual cycle enzyme that reduces all-trans-retinal to all-trans-retinol in the presence of NADPH (Rattner et al., 2000 [PubMed 10753906]). It is a member of the short chain dehydrogenase/reductase family and is located in the outer segments of photoreceptors; hence it is also known as photoreceptor retinol dehydrogenase. It is important in the visual cycle by beginning the rhodopsin regeneration pathway by reducing all-trans-retinal, the product of bleached and hydrolysed rhodopsin.

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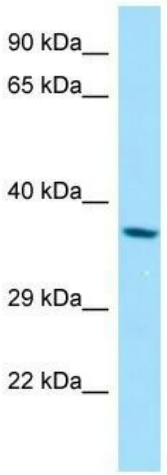
Synonyms: PRRDH; SDR28C2

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Horse: 93%; Bovine: 93%; Guinea pig: 93%; Dog: 92%

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

Product images:



WB Suggested Anti-RDH8 Antibody; Titration: 1.0 ug/ml; Positive Control: A549 Whole Cell