

Product datasheet for **TA338850**

RDH12 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-RDH12 antibody: synthetic peptide directed towards the middle region of human RDH12. Synthetic peptide located within the following region: HIGKIPFHDLQSEKRYSRGFAYCHSKLANVLFTRERAKRLQGTGVTTYAV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)
Database Link:	NP_689656 Entrez Gene 145226 Human Q96NR8



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Background: RDH12 is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. RDH12 also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3). The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3).

Synonyms: LCA13; RP53; SDR7C2

Note: Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 79%; Rat: 79%

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

Product images:



WB Suggested Anti-RDH12 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive
Control: Transfected 293T