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# Product datasheet for TA338851

## 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: AKRLQGTGVTTYAVHPGVVRSELVRHSSLLCLLWRLFSPFVKTAREGAQT |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **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<br>Entrez Gene 145226 Human<br>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).

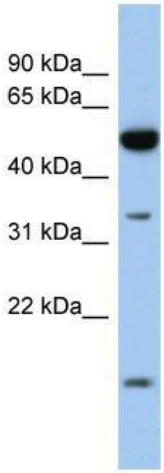
**Synonyms:** LCA13; RP53; SDR7C2

**Note:** Immunogen Sequence Homology: Human: 100%; Dog: 92%; Zebrafish: 92%; Pig: 86%; Horse: 86%; Bovine: 85%; Rabbit: 85%; Rat: 79%; Yeast: 79%; Guinea pig: 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: Human Intestine