# Rabbit anti-Human RDH14 Polyclonal Antibody | anti-RDH14 antibody

Anti-RDH14 Antibody, Rabbit Polyclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA256583** | **Rabbit** | **Human** | **Immunoprecipitation, Immunohistochemistry, Western Blot** |

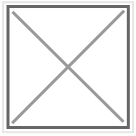
## PRODUCT SYNONYMS

RDH14; Polyclonal Antibody; Anti-RDH14 Antibody; Rabbit Polyclonal; RDH14 Antibody; Rabbit PAb; Antigen Affinity Purified; retinol dehydrogenase 14 (all-trans/9-cis/11-cis); Anti-PAN2 Antibody; Anti-SDR7C4 Antibody; anti-RDH14 antibody

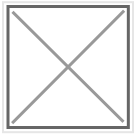
## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Specificity** | Human RDH14 |
| **Purity/Purification** | Protein A & Antigen Affinity |
| **Form/Format** | Liquid; PBS, pH7.0 with 0.03% Proclin300 |
| **Applicable Applications for anti-RDH14 antibody** | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen** | E Coli-derived Human RDH14 fragment |
| **Conjugation** | Unconjugated |
| **Preparation** | Produced in rabbits immunized with E Coli-derived Human RDH14 fragment, and purified by antigen affinity chromatography. |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

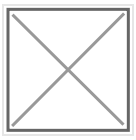
## IMAGES



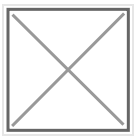
**IP (Immunoprecipitation)**
RDH14 was immunoprecipitated using:Lane A:0.5 mg HEK293 Whole Cell Lysate4 uL anti-RDH14 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.Primary antibody:Anti-RDH14 rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 34 kDaObserved band size :37 kDa



**IHC (Immunohistochemisry)**
Immunochemical staining of human RDH14 in human rectum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**IHC (Immunohiostchemistry)**
Immunochemical staining of human RDH14 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**WB (Western Blot)**
Anti-RDH14 rabbit polyclonal antibody at 1:500 dilutionLane A: HEK293 Whole Cell LysateLane B: PC3 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:36 kDaObserved band size:36 kDa(We are unsure as to the identity of these extra bands.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-RDH14 antibody** | RDH14 (Retinol Dehydrogenase 14, also known as SDR7C4) is a Protein Coding gene. The RDH14 gene, located on 2p24.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, fruit fly, N.crassa, and frog. RDH14 displays high activity towards 9-cis, 11-cis, and all-trans-retinol, and shows a very weak activity towards 13-cis-retinol. RDH14 belongs to the short-chain dehydrogenases/reductases (SDR) family and is widely expressed in the heart, prostate, and other tissues. Diseases associated with RDH14 include Bothnia Retinal Dystrophy and Fundus Albipunctatus. Among its related pathways are Signaling by GPCR and the Metabolism of nucleotides. 147 organisms have orthologs with the human gene RDH14. |
| **References** | Tomarev SI, et al. (2003) Gene expression profile of the human trabecular meshwork: Neibank sequence tag analysis. Invest Ophthalmol Vis Sci 44 (6): 2588-2596.Haeseleer F, et al. (2002) Dual-substrate specificity short chain retinol dehydrogenases from the vertebrate retina. J Biol Chem 277 (47): 45537-45546.Belyaeva OV, et al. (2002) Human pancreas protein 2 (pan2) has a retinal reductase activity and is ubiquitously expressed in human tissues. FEBS Lett 531 (3): 489-493. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/rdh14-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256583