

Rabbit anti-Human, Rat RDH10 Polyclonal Antibody | anti-RDH10 antibody

Anti-RDH10 Antibody Picoband

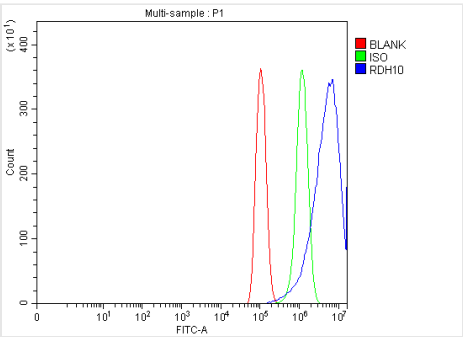
CATALOG # AAA126515	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

RDH10; Polyclonal Antibody; Anti-RDH10 Antibody Picoband; anti-RDH10 antibody

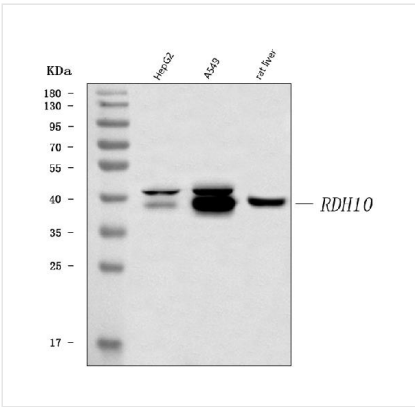
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-RDH10 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human RDH10 recombinant protein (Position: M1-I341).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-RDH10 antibody (AAA126515). Overlay histogram showing PC-3 cells stained with AAA126515 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RDH10 Antibody (AAA126515, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of RDH10 using anti-RDH10 antibody (AAA126515). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: rat liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RDH10 antigen affinity purified polyclonal antibody (#AAA126515) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RDH10 at approximately 38 kDa. The expected band size for RDH10 is at 38 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RDH10 antibody	This gene encodes a retinol dehydrogenase, which converts all-trans-retinol to all-trans-retinal, with preference for NADP as a cofactor. Studies in mice suggest that this protein is essential for synthesis of embryonic retinoic acid and is required for limb, craniofacial, and organ development.
Product Categories/Family for anti-RDH10 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	25282469
NCBI GeneID	157506
NCBI Accession #	NP_742034.1
NCBI GenBank Nucleotide #	NM_172037.4
UniProt Accession #	Q8IZV5
Molecular Weight	38,087 Da
NCBI Official Full Name	retinol dehydrogenase 10
NCBI Official Synonym Full Names	retinol dehydrogenase 10 (all-trans)
NCBI Official Symbol	RDH10
NCBI Official Synonym Symbols	SDR16C4
NCBI Protein Information	retinol dehydrogenase 10; short chain dehydrogenase/reductase family 16C, member 4
UniProt Protein Name	Retinol dehydrogenase 10
UniProt Gene Name	RDH10

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://www.aaabiotech.com/polyclonal/rdh10-antibody-flow-cytometry-western-blot-elisa/126515>