

RDH16 antibody - N-terminal region (ARP42141_P050)

Data Sheet

Product Number	ARP42141_P050
Product Name	RDH16 antibody - N-terminal region (ARP42141_P050)
Size	50ug
Gene Symbol	RDH16
Alias Symbols	RODH-4; SDR9C8
Nucleotide Accession#	NM_003708
Protein Size (# AA)	317 amino acids
Molecular Weight	36kDa
Product Format	Lyophilized powder
NCBI Gene Id	8608
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Retinol dehydrogenase 16 (all-trans)
Gene Family	SDRC2
Description	This is a rabbit polyclonal antibody against RDH16. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region: WLYLAVFVGLYLLHWYRERQVLSHLRDKYVFITGCDSGFGKLLARQLDA
Target Reference	Lapshina,E.A., (2003) Biochemistry 42 (3), 776-784
Description of Target	RDH16 is an oxidoreductase with a preference for NAD. It oxidizes all-trans-retinol and 13-cis-retinol to the corresponding aldehydes. RDH16 has higher activity towards CRBP-bound retinol than with free retinol. It also oxidizes androstanediol and androsterone to dihydrotestosterone and androstanedione. RDH16 can also catalyze the reverse reaction.
Partner Proteins	FXD1
Reconstitution and Storage	Add 50 ul of distilled water. Final anti-RDH16 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-RDH16 antibody is Catalog # AAP42141 (Previous Catalog # AAPS11802)
Immunogen	The immunogen for anti-RDH16 antibody: synthetic peptide directed towards the N terminal of human RDH16
Swissprot Id	O75452
Protein Name	Retinol dehydrogenase 16
Protein Accession #	NP_003699
Purification	Affinity Purified
Species Reactivity	Human, Pig, Mouse, Rat, Dog, Horse, Guinea pig, Bovine
Application	WB
Predicted Homology Based on Immunogen Sequence	Human: 100%; Pig: 93%; Dog: 86%; Rat: 86%; Horse: 86%; Mouse: 86%; Bovine: 86%; Guinea pig: 86%

Human 721_B

90 kDa
65 kDa



Image 1



WB Suggested Anti-RDH16 Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: 721_B cell lysate

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.