

Rabbit anti-Human RDH16 Polyclonal Antibody | anti-RDH16 antibody

RDH16 Antibody (N-term)

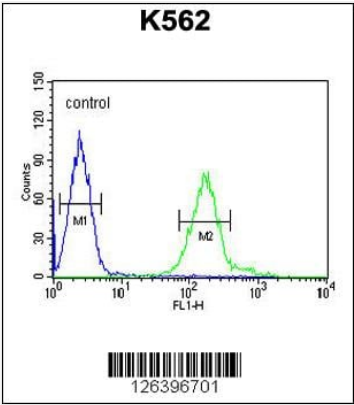
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288958	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

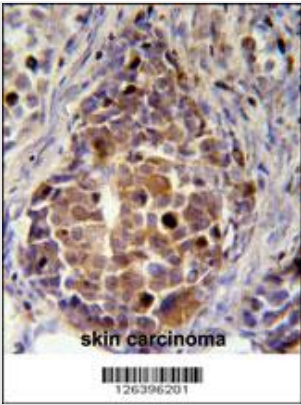
RDH16; Polyclonal Antibody; RDH16 Antibody (N-term); Retinol dehydrogenase 16; 11--; Microsomal NAD(+)-dependent retinol dehydrogenase 4; RoDH-4; Sterol/retinol dehydrogenase; RODH4; anti-RDH16 antibody

PRODUCT SPECIFICATIONS

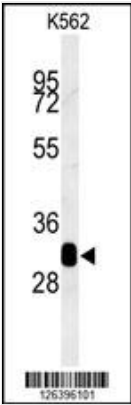
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RDH16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-31 amino acids from the N-terminal region of human RDH16.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	3-31
Sequence Length	317
Applicable Applications for anti-RDH16 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
RDH16 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
RDH16 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RDH16 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
RDH16 Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the RDH16 antibody detected the RDH16 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RDH16 antibody	Retinol dehydrogenase 16 (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 oxidizes 3-alpha-hydroxysteroids and also oxidizes androstenediol and androsterone to dihydrotestosterone and androstenedione. RDH16 can also catalyze the reverse reaction.
Product Categories/Family for anti-RDH16 antibody	Metabolism; Neuroscience; Signal Transduction
References	Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) : Lapshina, E.A., et al. Biochemistry 42(3):776-784(2003) Cain, J.M., et al. Am. J. Obstet. Gynecol. 186(4):675-683(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	150247226
NCBI GeneID	8608
NCBI Accession #	NP_003699.3
NCBI GenBank Nucleotide #	NM_003708.3
UniProt Accession #	O75452; Q9UNV2

Molecular Weight	35673
NCBI Official Full Name	retinol dehydrogenase 16
NCBI Official Synonym Full Names	retinol dehydrogenase 16 (all-trans)
NCBI Official Symbol	RDH16
NCBI Official Synonym Symbols	RODH-4; SDR9C8
NCBI Protein Information	retinol dehydrogenase 16
UniProt Protein Name	Retinol dehydrogenase 16
UniProt Gene Name	RDH16
UniProt Synonym Gene Names	RODH4; SDR9C8; RoDH-4
UniProt Entry Name	RDH16_HUMAN

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/rdh16-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288958>