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# anti-RDH16 antibody (N-Term)

3 Images



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Ovei	view

Quantity:	400 μL
Target:	RDH16
Binding Specificity:	AA 3-31, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RDH16 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### **Product Details**

Immunogen:	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.
Clone:	RB26396
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

# **Target Details**

Target:	RDH16
Alternative Name:	RDH16 (RDH16 Products)

## **Target Details**

Precaution of Use:

Storage Comment:

Storage:

Expiry Date:

Background:	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 androstanediol and androsterone to dihydrotestosterone and androstanedione. RDH16 can also catalyze the reverse reaction.
Molecular Weight:	35673
Gene ID:	8608
NCBI Accession:	NP_003699
UniProt:	075452
Pathways:	Steroid Hormone Biosynthesis
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

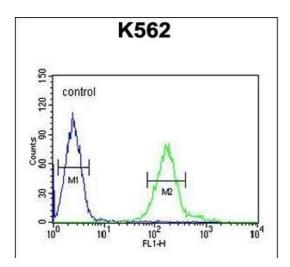
Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

should be handled by trained staff only.

aliquots to prevent freeze-thaw cycles.

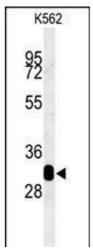
4 °C,-20 °C

6 months



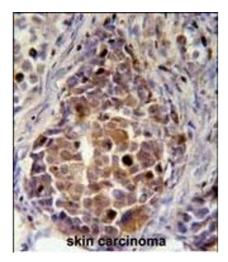
#### **Flow Cytometry**

**Image 1.** RDH16 Antibody (N-term) (ABIN651647 and ABIN2840343) 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.



#### **Western Blotting**

**Image 2.** RDH16 Antibody (N-term) (ABIN651647 and ABIN2840343) western blot analysis in K562 cell line lysates (35  $\mu$ g/lane). This demonstrates the RDH16 antibody detected the RDH16 protein (arrow).



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** RDH16 Antibody (N-term (ABIN651647 and ABIN2840343) 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.