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anti-RDH16 antibody (Middle Region)

2 Images



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Overview

Quantity:	100 μL
Target:	RDH16
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RDH16 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RDH16
Sequence:	SKERFLKSFL EIWDRSSPEV KEAYGEKFVA DYKKSAEQME QKCTQDLSLV
Predicted Reactivity:	Dog: 85%, Horse: 79%, Human: 100%, Rabbit: 79%
Characteristics:	This is a rabbit polyclonal antibody against RDH16. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RDH16
Alternative Name:	RDH16 (RDH16 Products)
Background:	RDH16 is an oxidoreductase with a preference for NAD. It oxidizes all-trans-retinol and 13-cis-

retinol to the corresponding aldenydes. RDH 16 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.

Alias Symbols: RODH-4, SDR9C8

Protein Size: 317

Molecular Weight: 36 kDa

Gene ID: 8608

NCBI Accession: NM_003708, NP_003699

UniProt: 075452

Pathways: Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 317 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. Host: Rabbit Target Name: RDH16 Sample Tissue: Human COLO205 Whole Cell Antibody Dilution: 1ug/ml

Western Blotting

Image 2. WB Suggested Anti-RDH16

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: COLO205 cell lysate