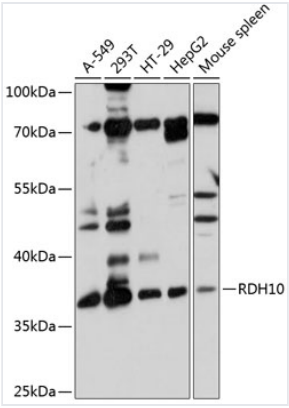
RDH10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RDH10, Polyclonal Antibody
Full Product Name	RDH10 Polyclonal Antibody
Product Gene Name	anti-RDH10 antibody
Product Synonym Names	RDH10; SDR16C4; retinol dehydrogenase 10
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	38,087 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (74206837..74237520). Location: 8q21.11
OMIM	607599
3D Structure	ModBase 3D Structure for Q8IZV5
Immunogen	Recombinant fusion protein of human RDH10 (NP_742034.1).
Conjugation	Unconjugated
Product Categories/Family for anti-RDH10 antibody	Total protein Ab
Applications Tested/Suitable for anti-RDH10 antibody	Western Blot (WB)
Application Notes for anti-RDH10 antibody	WB: 1:500-1:2000
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.
Other Notes	Small volumes of anti-RDH10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RDH10 purchase	MBS9431503 is an antibody targeting RDH10. Also known as RDH10 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-RDH10 antibody
Western blot analysis of extracts of various cell lines, using RDH10 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RDH10. It may not necessarily be applicable to this product.

NCBI GI #	25282469
NCBI GeneID	157506
NCBI Accession #	NP_742034.1
UniProt Primary Accession #	Q8IZV5
UniProt Related Accession #	Q8IZV5
GenBank Nucleotide #	NM_172037.4
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
UniProt Protein Name	Retinol dehydrogenase 10
Protein Family	Retinol dehydrogenase
UniProt Gene Name	RDH10
UniProt Entry Name	RDH10_HUMAN
NCBI Protein Information	retinol dehydrogenase 10; short chain dehydrogenase/reductase family 16C, member 4

UniProt Comments for RDH10	Function: Retinol dehydrogenase with a clear preference for NADP. Converts all-trans-retinol to all-trans-retinal. Has no detectable activity towards 11-cis-retinol, 9-cis-retinol and 13-cis-retinol. Ref.1 Catalytic activity: All-trans-retinol + NADP+ = all-trans-retinal + NADPH. Ref.1 Pathway: Cofactor metabolism; retinol metabolism. Subcellular location: Microsome membrane; Single-pass membrane protein Potential. Endoplasmic reticulum membrane; Single-pass membrane protein Potential Ref.1. Tissue specificity: Detected in retina, kidney, liver, small intestine, placenta, lung, heart and skeletal muscle. Ref.1 Ref.4 Sequence similarities: Belongs to the short-chain dehydrogenases/reductases (SDR) family.
Research Articles on RDH10	**1.** Retinol dehydrogenase 10 but not retinol/sterol dehydrogenase(s) regulates the expression of retinoic acid-responsive genes in human transgenic skin raft culture.
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