

Mouse RDH14 Monoclonal Antibody | anti-RDH14 antibody

RDH14 antibody

CATALOG # AAA106979	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
-------------------------------	----------------------	---

PRODUCT SYNONYMS

RDH14; Monoclonal Antibody; RDH14 antibody; Monoclonal RDH14; Anti-RDH14; Retinol dehydrogenase 14; Pancreas protein 2; Short chain dehydrogenase/reductase family 7C member 4; RDH 14; RDH-14; anti-RDH14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1A7
Purity/Purification	RDH14 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	336
Applicable Applications for anti-RDH14 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	RDH14 exhibits an oxidoreductive catalytic activity towards retinoids. Most efficient as an NADPH-dependent retinalreductase. Displays high activity toward 9-cis and all-trans-retinol. No steroid dehydrogenase activity detected.
Cross-Reactivity	Human, Rat
Immunogen	RDH14 antibody was raised in mouse using a full length recombinant protein of human RDH14 (NP_065956) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RDH14 protein (Right) or empty vector (Left) detected with RDH14 antibody


FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant RDH14 protein (red) or empty vector (blue) stained using RDH14 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RDH14 antibody	Mouse monoclonal RDH14 antibody
---	---------------------------------

Product Categories/Family for anti-RDH14 antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190746
NCBI GeneID	57665
NCBI Accession #	NP_065956
NCBI GenBank Nucleotide #	NM_020905.3
UniProt Accession #	Q9HBH5
Molecular Weight	36,865 Da
NCBI Official Full Name	retinol dehydrogenase 14
NCBI Official Synonym Full Names	retinol dehydrogenase 14 (all-trans/9-cis/11-cis)
NCBI Official Symbol	RDH14
NCBI Official Synonym Symbols	PAN2; SDR7C4
NCBI Protein Information	retinol dehydrogenase 14
UniProt Protein Name	Retinol dehydrogenase 14
UniProt Gene Name	RDH14
UniProt Synonym Gene Names	PAN2; SDR7C4
UniProt Entry Name	RDH14_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/rdh14-antibody-clone-1a7-western-blot-flow-cytometry-elisa/106979>