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ALDH8A1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP1479b

Specification

ALDH8A1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H2A2

ALDH8A1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 64577

Other Names
Aldehyde dehydrogenase family 8 member A1, 121-, Aldehyde dehydrogenase 12, ALDH8A1, ALDH12

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1479b was selected from the C-term region of human ALDH8A1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

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

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ALDH8A1 Antibody (C-term) Blocking Peptide - Protein Information

Name ALDH8A1 (HGNC:15471)

Synonyms ALDH12

Function
Catalyzes the NAD-dependent oxidation of 2-aminomuconic semialdehyde of the kynurenine metabolic pathway in L-tryptophan degradation.

Cellular Location
Cytoplasm.

Tissue Location
Highly expressed in adult kidney and liver. Detected at lower levels in fetal liver and kidney

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ALDH8A1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ALDH8A1 Antibody (C-term) Blocking Peptide - Images

ALDH8A1 Antibody (C-term) Blocking Peptide - Background

ALDH8A1 belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal.

ALDH8A1 Antibody (C-term) Blocking Peptide - References

Lin,M.,J. Biol. Chem. 275 (51), 40106-40112 (2000)