

ALDH8A1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP1479b**Specification**

ALDH8A1 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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](/product/products/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

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)