10320 Camino Santa Fe, Suite G
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HGD Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6903a

Specification

HGD Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q93099

HGD Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3081

Other Names
Homogentisate 1, 2-dioxygenase, Homogentisate oxygenase, Homogentisic acid oxidase, Homogentisicase, HGD, HGO

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6903a was selected from the N-term region of human HGD. 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.

HGD Antibody (N-term) Blocking Peptide - Protein Information

Name HGD

Synonyms HGO

Function
Catalyzes the conversion of homogentisate to maleylacetoacetate.

Tissue Location
Highest expression in the prostate, small intestine, colon, kidney and liver

HGD Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HGD Antibody (N-term) Blocking Peptide - Images

HGD Antibody (N-term) Blocking Peptide - Background

Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism.

HGD Antibody (N-term) Blocking Peptide - References

Abdulrazzaq,Y.M., et.al., Ann. Hum. Genet. 73 (1), 125-130 (2009)