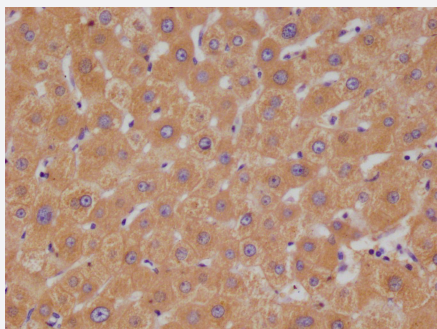


RecomAb™

# HGD recombinant monoclonal antibody, clone 20D12

Catalog # RAB07622      Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of HGD recombinant monoclonal antibody, clone 20D12 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HGD.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HGD.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry

Immunohistochemistry image of HGD recombinant monoclonal antibody, clone 20D12 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond<sup>TM</sup> system.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — HGD

Entrez GeneID	<a href="#">3081</a>
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Protein Accession#	<a href="#">Q93099</a>
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Gene Name	HGD
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Gene Alias	AKU, HGO
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Gene Description	homogentisate 1,2-dioxygenase (homogentisate oxidase)
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Omim ID	<a href="#">203500 607474</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in the prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefSeq]
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Other Designations	homogentisate 1,2-dioxygenase homogentisicase
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## Pathway

- [Metabolic pathways](#)
- [Styrene degradation](#)
- [Tyrosine metabolism](#)