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HGD Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a partial recombinant HGD.
Catalog # AT2362a

Specification

HGD Antibody (monoclonal) (M10) - Product Information

Application	**IF, E**
Primary Accession	Q93099
Other Accession	NM_000187
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**49964**

HGD Antibody (monoclonal) (M10) - Additional Information

Gene ID 3081

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

Target/Specificity
HGD (NP_000178, 377 a.a. ~ 445 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
HGD Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

HGD Antibody (monoclonal) (M10) - Protocols

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

- Western Blot
- Blocking Peptides

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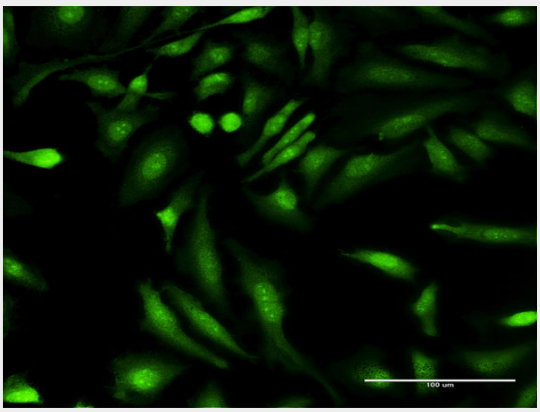
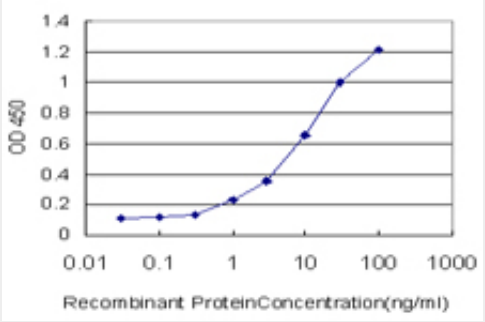
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HGD Antibody (monoclonal) (M10) - Images



Immunofluorescence of monoclonal antibody to HGD on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged HGD is approximately 0.3ng/ml as a capture antibody.

HGD Antibody (monoclonal) (M10) - Background

This gene encodes the enzyme homogentisate 1,2 dioxygenase. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria.

HGD Antibody (monoclonal) (M10) - References

Alkaptonuria Introne WJ, et al. , 1993. PMID 20301627.Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.Mutation spectrum of homogentisic acid oxidase (HGD) in alkaptonuria. Vilboux T, et al. Hum Mutat, 2009 Dec. PMID 19862842.R58fs mutation in the HGD gene in a family with alkaptonuria in the UAE. Abdulrazzaq YM, et al. Ann Hum Genet, 2009 Jan. PMID 18945288.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.