10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRHPR Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GRHPR.
Catalog # AT2260a

Specification

GRHPR Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q9UBQ7
Other Accession	BC000605
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**35668**

GRHPR Antibody (monoclonal) (M01) - Additional Information

Gene ID 9380

Other Names
Glyoxylate reductase/hydroxypyruvate reductase, GRHPR, GLXR

Target/Specificity
GRHPR (AAH00605, 1 a.a. ~ 328 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
GRHPR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

GRHPR Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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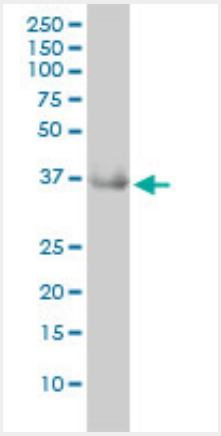
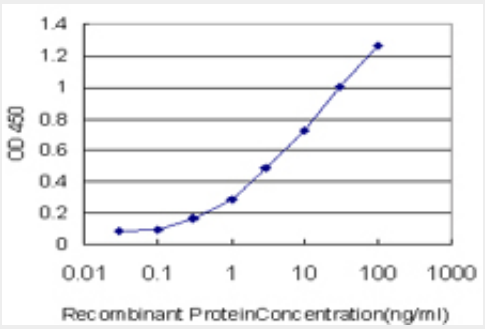
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRHPR Antibody (monoclonal) (M01) - Images



GRHPR monoclonal antibody (M01), clone 4E6-1F2 Western Blot analysis of GRHPR expression in MCF-7 (Cat # L046V1).



Detection limit for recombinant GST tagged GRHPR is approximately 0.03ng/ml as a capture antibody.

GRHPR Antibody (monoclonal) (M01) - Background

This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities. The enzyme has widespread tissue expression and has a role in metabolism. Type II hyperoxaluria is caused by mutations in this gene.

GRHPR Antibody (monoclonal) (M01) - References

Late diagnosis of primary hyperoxaluria type 2 in the adult: effect of a novel mutation in GRHPR gene on enzymatic activity and molecular modeling. Levin-laina N, et al. J Urol, 2009 May. PMID 19296982.A novel mutation in the GRHPR gene in a Japanese patient with primary hyperoxaluria type 2. Takayama T, et al. Nephrol Dial Transplant, 2007 Aug. PMID 17510093.Structural basis of substrate specificity in human glyoxylate reductase/hydroxypyruvate reductase. Booth MP, et al. J Mol Biol, 2006 Jun 30. PMID 16756993.The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.Primary hyperoxaluria: from gene defects to designer drugs? Danpure CJ. Nephrol Dial Transplant, 2005 Aug. PMID 15956068.