

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	O9UBQ7
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

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

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

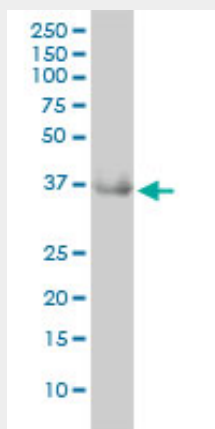
GRHPR Antibody (monoclonal) (M01) - Protocols

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

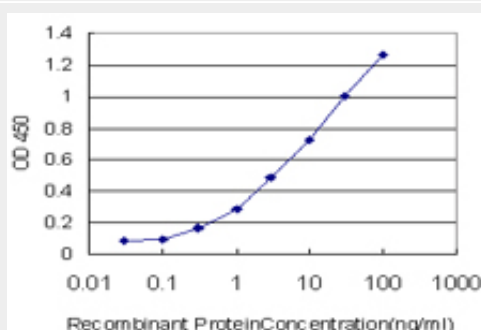
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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-Iaina 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.