

CYB5R4 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CYB5R4.****Catalog # AT1697a****Specification**

CYB5R4 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q7L1T6
Other Accession	NM_016230
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	59474

CYB5R4 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 51167**Other Names**

Cytochrome b5 reductase 4, Flavohemoprotein b5/b5R, b5+b5R, N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein, cb5/cb5R, CYB5R4, NCB5OR

Target/Specificity

CYB5R4 (NP_057314, 388 a.a. ~ 487 a.a) partial 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

CYB5R4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

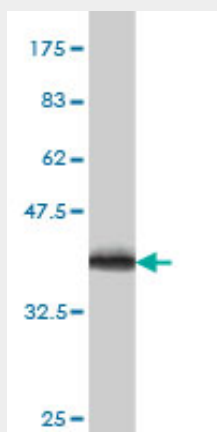
CYB5R4 Antibody (monoclonal) (M01) - Protocols

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

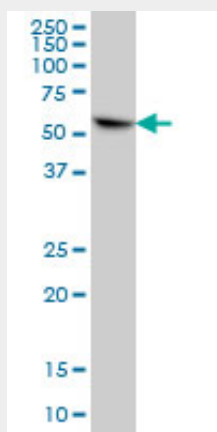
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

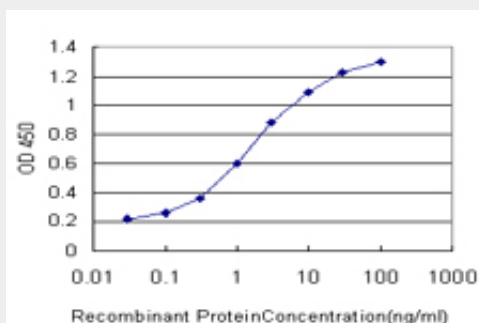
CYB5R4 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



CYB5R4 monoclonal antibody (M01), clone 1E8 Western Blot analysis of CYB5R4 expression in HeLa ((Cat # AT1697a)



Detection limit for recombinant GST tagged CYB5R4 is approximately 0.03ng/ml as a capture antibody.

CYB5R4 Antibody (monoclonal) (M01) - Background

NCB5OR is a flavohemoprotein that contains functional domains found in both cytochrome b5 (CYB5A; MIM 613218) and CYB5 reductase (CYB5R3; MIM 613213) (Zhu et al., 1999 [PubMed 10611283]).

CYB5R4 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901. 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. Variation in NCB5OR: studies of relationships to type 2 diabetes, maturity-onset diabetes of the young, and gestational diabetes mellitus. Andersen G, et al. Diabetes, 2004 Nov. PMID 15504981.