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

# CYB5R4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CYB5R4.
Catalog # AT1697a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q7L1T6 |
| **Other Accession** | NM_016230 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 1E9 |
| **Calculated MW** | 59474 |

## Additional Information

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|---|---|
| **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. |

## Background

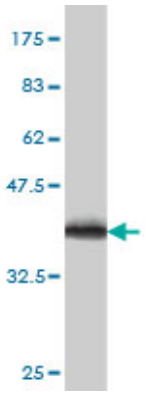
NCB5OR is a flavohemoprotein that contains functional domains found in both cytochrome b5 (CYB5A; MIM 613218) and CYB5 reductase (CYB5R3; MIM 613213) (Zhu et al., 1999 [PubMed 10611283]).

## References

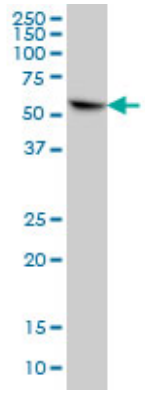
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Gene-centric association signals for lipids and apolipoproteins 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.

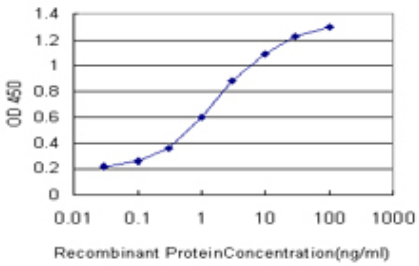
## Images




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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.