

## **DEC R1 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant DEC R1.

Catalog # AT1746a

### **Specification**

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#### **DEC R1 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q16698</a>
Other Accession	<a href="#">NM_001359</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	36068

#### **DEC R1 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 1666

#### **Other Names**

4-dienoyl-CoA reductase, mitochondrial, 4-dienoyl-CoA reductase [NADPH], 4-enoyl-CoA reductase [NADPH], DEC R1, DEC R

#### **Target/Specificity**

DEC R1 (NP\_001350, 236 a.a. ~ 335 a.a) partial 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**

DEC R1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

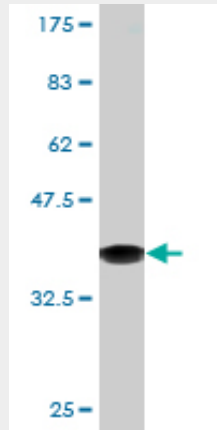
#### **DEC R1 Antibody (monoclonal) (M01) - Protocols**

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

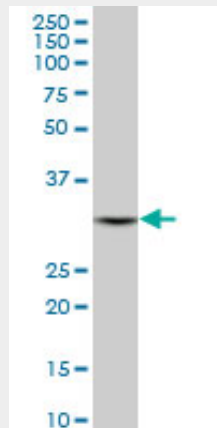
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

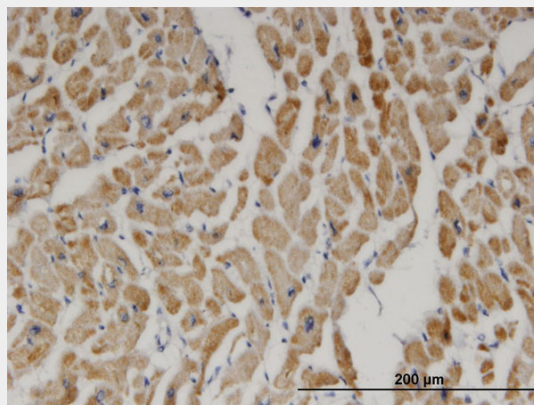
### DEC1 Antibody (monoclonal) (M01) - Images



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

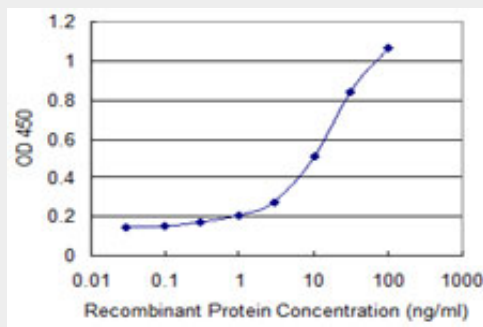


DEC1 monoclonal antibody (M01), clone 3D4. Western Blot analysis of DEC1 expression in HepG2 ( (Cat # AT1746a )



Immunoperoxidase of monoclonal antibody to DEC1 on formalin-fixed paraffin-embedded

human heart. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged DECR1 is 0.3 ng/ml as a capture antibody.

### **DECR1 Antibody (monoclonal) (M01) - Background**

This gene encodes an accessory enzyme which participates in the beta-oxidation and metabolism of unsaturated fatty enoyl-CoA esters.

### **DECR1 Antibody (monoclonal) (M01) - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614. Association between genetic variants in VEGF, ERCC3 and occupational benzene haematotoxicity. Hosgood HD 3rd, et al. *Occup Environ Med*, 2009 Dec. PMID 19773279. Association of acute ischemic stroke with the MTHFR C677T polymorphism but not with NOS3 gene polymorphisms in a Singapore population. Moe KT, et al. *Eur J Neurol*, 2008 Dec. PMID 19049547. The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. Persson B, et al. *Chem Biol Interact*, 2009 Mar 16. PMID 19027726. Proteomic analysis reveals Hrs ubiquitin-interacting motif-mediated ubiquitin signaling in multiple cellular processes. Pridgeon JW, et al. *FEBS J*, 2009 Jan. PMID 19019082.