

**DEC R1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21057a**

**Specification**

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**DEC R1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q16698</a>
Other Accession	<a href="#">Q64591</a> , <a href="#">Q9C062</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36068

**DEC R1 Antibody (Center) - 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**

This DEC R1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 241-274 amino acids from the Central region of human DEC R1.

**Dilution**

WB ~ ~ 1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**DEC R1 Antibody (Center) - Protein Information**

**Name** DEC R1

**Synonyms** DEC R, SDR18C1

**Function** Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in mitochondria. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA.

#### Cellular Location

Mitochondrion.

#### Tissue Location

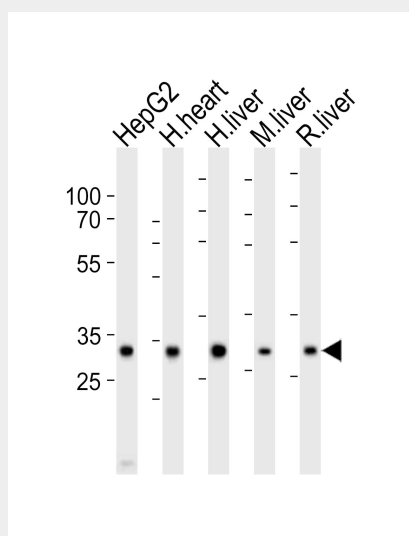
Heart = liver = pancreas > kidney >> skeletal muscle = lung.

### DEC1 Antibody (Center) - 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 (Center) - Images



Western blot analysis of lysates from HepG2 cell line, human heart, human liver, mouse liver, rat liver tissue lysate (from left to right), using DEC1 Antibody (Center)(Cat. #AP21057a). AP21057a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

### DEC1 Antibody (Center) - Background

Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3- enoyl-CoA.

**DECRI Antibody (Center) - References**

- Koivuranta K.T., et al. *Biochem. J.* 304:787-792(1994).  
Ding J.H., et al. Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.  
Helander H.M., et al. *Genomics* 46:112-119(1997).  
Nusbaum C., et al. *Nature* 439:331-335(2006).  
Choudhary C., et al. *Science* 325:834-840(2009).