

## Summary

<b>Production Name</b>	DECR2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DECR2
<b>Alternative Names</b>	DECR2; PDCR; Peroxisomal 2; 4-dienoyl-CoA reductase; pDCR; 2,4-dienoyl-CoA reductase 2
<b>Gene ID</b>	26063.0
<b>SwissProt ID</b>	Q9NUI1.The antiserum was produced against synthesized peptide derived from human DECR2. AA range:217-266

## Application

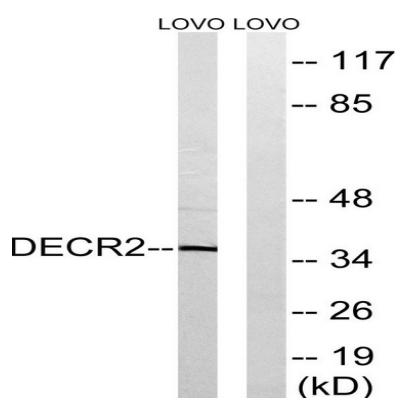
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:10000
<b>Molecular Weight</b>	36kD

## Background

catalytic activity:Trans-2,3-didehydroacyl-CoA + NADP(+) = trans,trans-2,3,4,5-tetrahydroacyl-CoA + NADPH.,function:Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2,4-dienoyl-CoA reductase subfamily.,catalytic activity:Trans-2,3-didehydroacyl-CoA + NADP(+) = trans,trans-2,3,4,5-tetrahydroacyl-CoA + NADPH.,function:Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2,4-dienoyl-CoA reductase subfamily.,

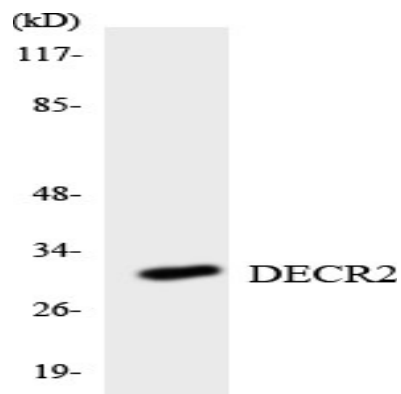
## Research Area

## Image Data



Western blot analysis of lysates from LOVO cells, using DECR2 Antibody. The lane on the right is blocked with the synthesized peptide.

**Product Name: DECR2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09897**



Western blot analysis of the lysates from HepG2 cells using DECR2 antibody.

**Note**

For research use only.