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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	36kDa

Antigen Information

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

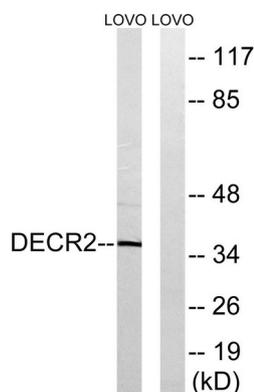
Background

catalytic activity:Trans-2,3-didehydroacyl-CoA + NADP(+) = trans,trans-2,3,4,5-tetrahydroacyl-CoA +

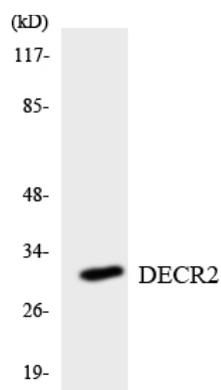
NADPH.,function:Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards 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-tetradehydroacyl-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.



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