

# DEC2 Polyclonal Antibody

Cat No: HR1AP6575

For research use only

## Overview

Product Name	DEC2 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	36kDa
GeneID?Human?	DEC2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	DEC2; PDCR; Peroxisomal 2; 4-dienoyl-CoA reductase; pDCR; 2,4-dienoyl-CoA reductase 2
Background	<p>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 docosaheptaenoic 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.,</p>