

For Research Use Only

# PECR Monoclonal antibody

Catalog Number: 68248-1-Ig



## Basic Information

<b>Catalog Number:</b> 68248-1-Ig	<b>GenBank Accession Number:</b> BC002529	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55825	<b>CloneNo.:</b> 2D3G1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BY49	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> peroxisomal trans-2-enoyl-CoA reductase	
<b>Immunogen Catalog Number:</b> AG7022	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, Rat	<b>WB :</b> LNCaP cells, HSC-T6 cells, HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells

## Background Information

Peroxisomal trans-2-enoyl-CoA reductase (PECR) is also called TERP and TECR, which is located on chromosome q35 with 86627 bases. It can participate in carbon chain elongation in fatty acid metabolism and catalyze the last reaction of four long chain fatty acid elongation cycles. Each cycle of PECR adds two carbons to the long chain and very long chain fatty acid (VLCFA) chains, reducing the intermediate of trans-2,3-enoyl coenzyme A fatty acid to acyl coenzyme A, which can further extend the carbon chain by entering a new elongation cycle. Meanwhile, PECR is a peroxisome protein involved in fatty acid synthesis and plays an important role in milk fat synthesis. The molecular mass of PECR is 33 kDa. (PMID: 31467878)

## Storage

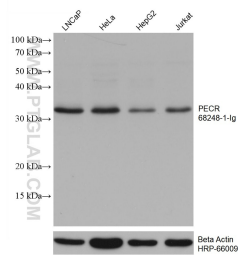
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68248-1-Ig (PECR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.