

For Research Use Only

PECR Monoclonal antibody, PBS Only

Catalog Number: 68248-1-PBS



Basic Information

Catalog Number: 68248-1-PBS	GenBank Accession Number: BC002529	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 55825	CloneNo.: 2D3G1
Source: Mouse	UNIPROT ID: Q9BY49	
Isotype: IgG1	Full Name: peroxisomal trans-2-enoyl-CoA reductase	
Immunogen Catalog Number: AG7022	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

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

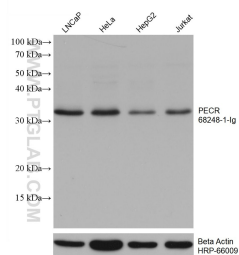
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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. This data was developed using the same antibody clone with 68248-1-PBS in a different storage buffer formulation.