

PECI Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5533

Specification

PECI Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O75521
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=44,40 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

PECI Antibody (C-term) - Additional Information

Gene ID 10455

Antigen Region
331-358

Other Names

Enoyl-CoA delta isomerase 2, mitochondrial, DRS-1, Delta(3), delta(2)-enoyl-CoA isomerase, D3, D2-enoyl-CoA isomerase, Diazepam-binding inhibitor-related protein 1, DBI-related protein 1, Dodecenoyl-CoA isomerase, Hepatocellular carcinoma-associated antigen 88, Peroxisomal 3, 2-trans-enoyl-CoA isomerase, pECI, Renal carcinoma antigen NY-REN-1, ECI2, DRS1, HCA88, PECI

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Target/Specificity

This PECI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-358 amino acids from the C-terminal region of human PECI.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PECI Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PECI Antibody (C-term) - Protein Information

Name ECI2

Synonyms DRS1, HCA88, Peci {ECO:0000303|PubMed:10

Function

Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species. Has a preference for 3-trans substrates.

Cellular Location

[Isoform 1]: Mitochondrion {ECO:0000250|UniProtKB:Q5XIC0}

Tissue Location

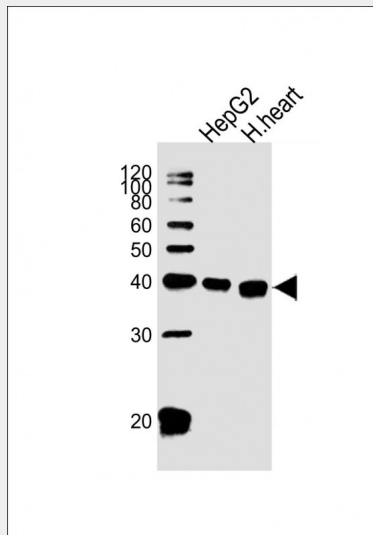
Abundant in heart, skeletal muscle and liver. Expressed in CD34(+) T-cells and CD34(+) bone marrow cells

PECI Antibody (C-term) - Protocols

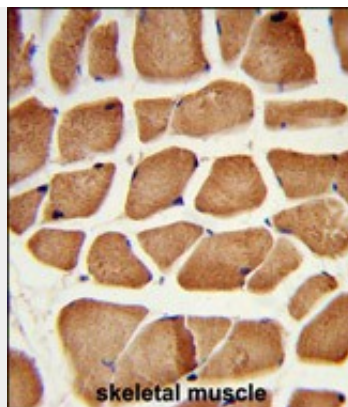
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

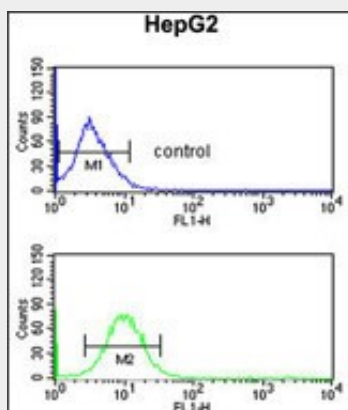
PECI Antibody (C-term) - Images



All lanes : Anti-PECI Antibody (C-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with PECl Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



PECl Antibody (C-term) (Cat. #AW5533) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PECl Antibody (C-term) - Background

PECl is an auxiliary enzyme that catalyzes an isomerization step required for the beta-oxidation of unsaturated fatty acids.

PECl Antibody (C-term) - References

- Scanlan, M.J., et al., *Int. J. Cancer* 83 (4), 456-464 (1999)
- Suk, K., et al., *Biochim. Biophys. Acta* 1454 (1), 126-131 (1999)