

**PECI Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8692b****Specification**

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**PECI Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O75521](#)**PECI Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10455**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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8692b](/products/AP8692b) was selected from the C-term region of human PECI. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PECI Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PECI Antibody (C-term) Blocking Peptide - Images**

### **PECI Antibody (C-term) Blocking Peptide - Background**

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

### **PECI Antibody (C-term) Blocking Peptide - 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)