

**PECI Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51175**

**Specification**

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**PECI Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O75521</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>40 KDa</b>
Antigen Region	<b>51 - 110</b>

**PECI Antibody - 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**

KLH conjugated synthetic peptide derived from human PECI

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**PECI Antibody - 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

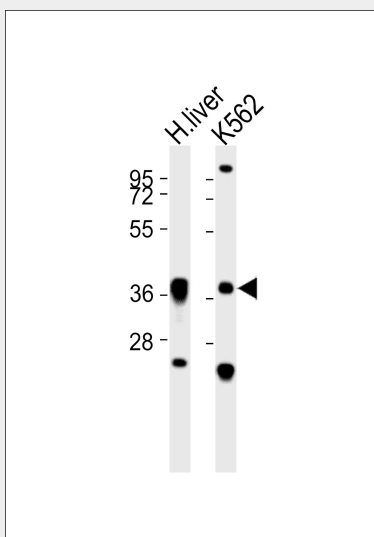
Abundant in heart, skeletal muscle and liver. Expressed in CD34(+) T-cells and CD34(+) bone marrow cells

### PECI Antibody - 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 - Images



All lanes : Anti-PECI Antibody at 1:1000 dilution Lane 1: H.liver tissue lysates Lane 2: K562 whole cell lysates 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.

### PECI Antibody - Background

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 (By similarity).

### PECI Antibody - References

- Suk K., et al. *Biochim. Biophys. Acta* 1454:126-131(1999).  
Wiemann S., et al. *Genome Res.* 11:422-435(2001).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Mungall A.J., et al. *Nature* 425:805-811(2003).  
Geisbrecht B.V., et al. *J. Biol. Chem.* 274:21797-21803(1999).