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

Specification

PECI Antibody - Product Information

Application	**WB**
Primary Accession	O75521
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40 KDa**
Antigen Region	**51 - 110**

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}

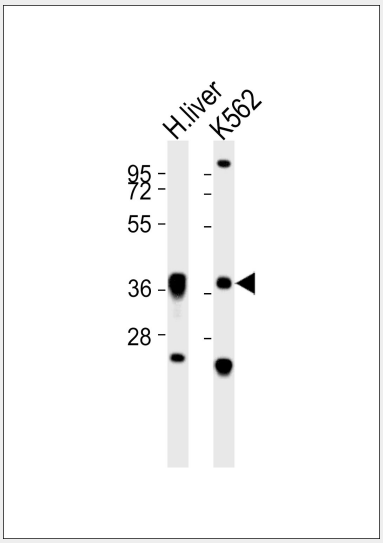
Tissue Location
Abundant in heart, skeletal muscle and liver. Expressed in CD34(+) T-cells and CD34(+) bone marrow cells

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 Cytomety
- 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).