

ARG55613 anti-PECI antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Peci
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PECI
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 331-358 (C-terminus) of Human Peci.
Conjugation	Un-conjugated
Alternate Names	Enoyl-CoA delta isomerase 2, mitochondrial; pEci; DBI-related protein 1; HCA88; dJ1013A10.3; Delta; Peroxisomal 3,2-trans-enoyl-CoA isomerase; Hepatocellular carcinoma-associated antigen 88; DRS1; ACBD2; 3; 2; D3,D2-enoyl-CoA isomerase; DRS-1; EC 5.3.3.8; Renal carcinoma antigen NY-REN-1; Peci; Diazepam-binding inhibitor-related protein 1; Dodecenoyl-CoA isomerase

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

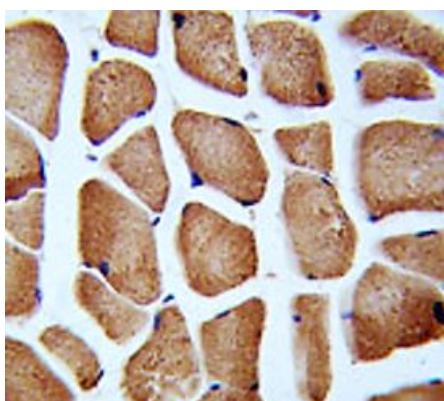
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

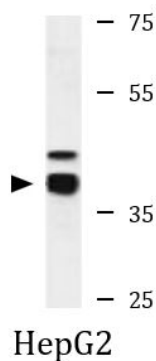
Database links	GeneID: 10455 Human Swiss-port # O75521 Human
Gene Symbol	ECI2
Gene Full Name	enoyl-CoA delta isomerase 2
Background	This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2011]
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 (By similarity). [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	44 kDa
Cellular Localization	Isoform 1: Mitochondrion.

Images



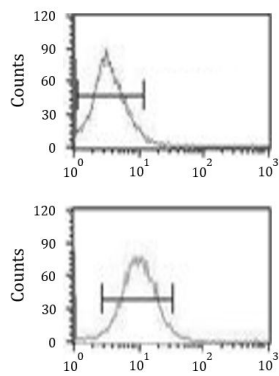
ARG55613 anti-PECI antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skeletal muscle stained with ARG55613 anti-PECI antibody.



ARG55613 anti-PECI antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG55613 anti-PECI antibody.



ARG55613 anti-PECI antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG55613 anti-PECI antibody (bottom histogram) or without primary antibody as control (top histogram), followed by incubation with FITC labelled secondary antibody.