



DRS-1 Polyclonal Antibody

Catalog No	YP-Ab-02624
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	ECI2
Immunogen	The antiserum was produced against synthesized peptide derived from human PECl. AA range:73-122
Specificity	DRS-1 Polyclonal Antibody detects endogenous levels of DRS-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACBD2;D3;D2 enoyl CoA isomerase;DBI related protein 1;Dodecenoyl CoA isomerase;DRS 1;DRS1;ECI2;HCA88;KIAA0536;PECl;DRS-1;Enoyl-CoA delta isomerase 2 mitochondrial;Enoyl-CoA delta isomerase 2;mitochondrial;Delta(3);delta(2)-enoyl-CoA isomerase;D2-enoyl-CoA isomerase;Diazepam-binding inhibitor-related protein 1;DBI-related protein 1;Dodecenoyl-CoA isomerase;Hep
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	[Isoform 1]: Mitochondrion .; [Isoform 2]: Peroxisome matrix .
Tissue Specificity	Abundant in heart, skeletal muscle and liver. Expressed in CD34(+) T-cells and CD34(+) bone marrow cells.
Function	catalytic activity:(3Z)-dodec-3-enoyl-CoA = (2E)-dodec-2-enoyl-CoA., function:Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species.,similarity:Contains 1 ACB (acyl-CoA-binding) domain.,similarity:In the C-terminal section; belongs to the enoyl-CoA hydratase/isomerase family.,tissue specificity:Abundant in heart, skeletal muscle and liver.,



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],

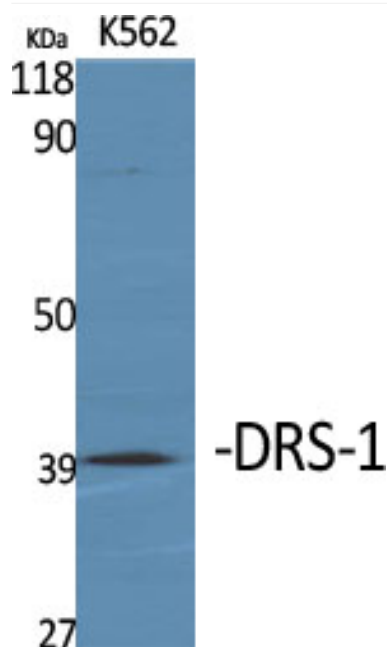
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

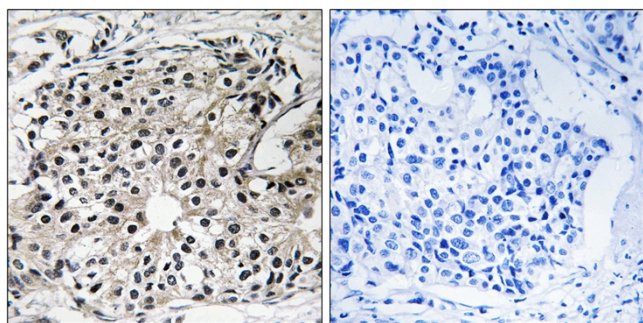
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

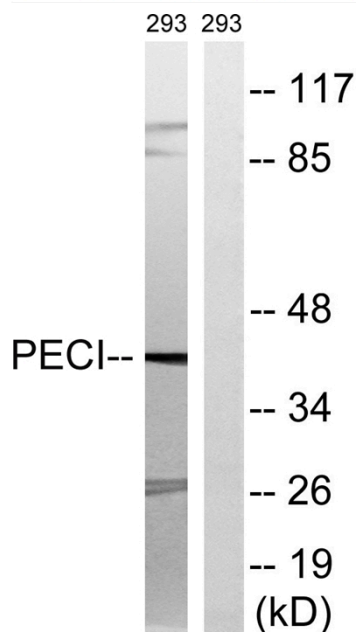


Western Blot analysis of various cells using DRS-1 Polyclonal Antibody

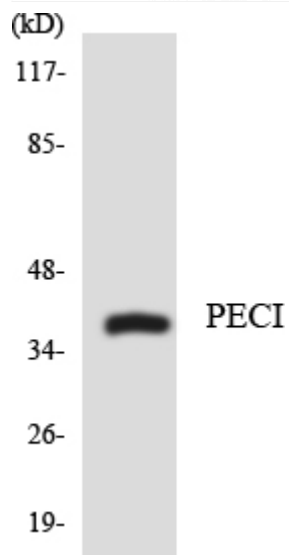
Western Blot analysis of 293 cells using DRS-1 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PECI Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using PECI Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using PECI antibody.