



# DRS-1 Polyclonal Antibody

<b>Catalog No</b>	BYab-02624
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ECI2
<b>Protein Name</b>	Enoyl-CoA delta isomerase 2 mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PECl. AA range:73-122
<b>Specificity</b>	DRS-1 Polyclonal Antibody detects endogenous levels of DRS-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ECI2; DRS1; HCA88; PECl; 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; Hep
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	[Isoform 1]: Mitochondrion .; [Isoform 2]: Peroxisome matrix .
<b>Tissue Specificity</b>	Abundant in heart, skeletal muscle and liver. Expressed in CD34(+) T-cells and CD34(+) bone marrow cells.
<b>Function</b>	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.,

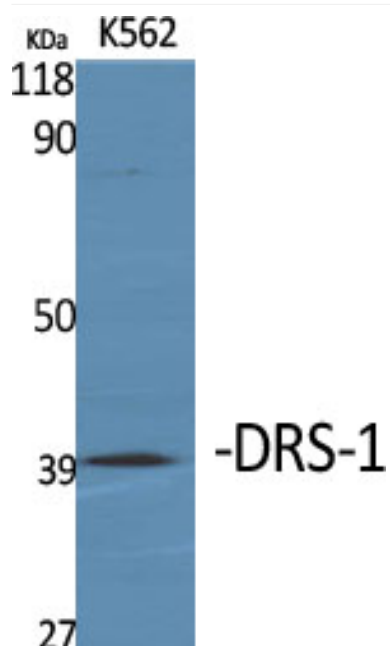
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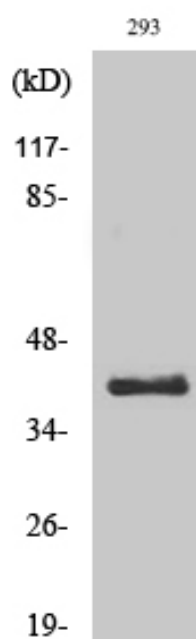
<b>Background</b>	This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of 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],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



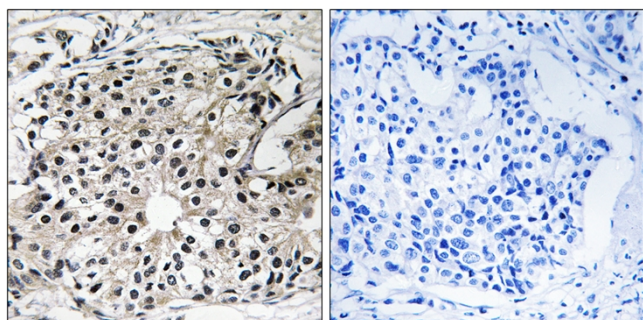
## Products Images



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

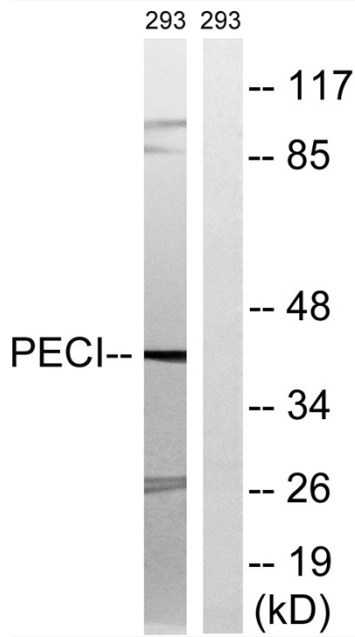


Western Blot analysis of 293 cells using DRS-1 Polyclonal Antibody

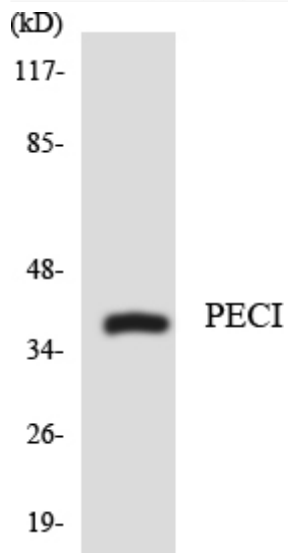


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PECl Antibody. The picture on the right is blocked with the synthesized peptide.

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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.