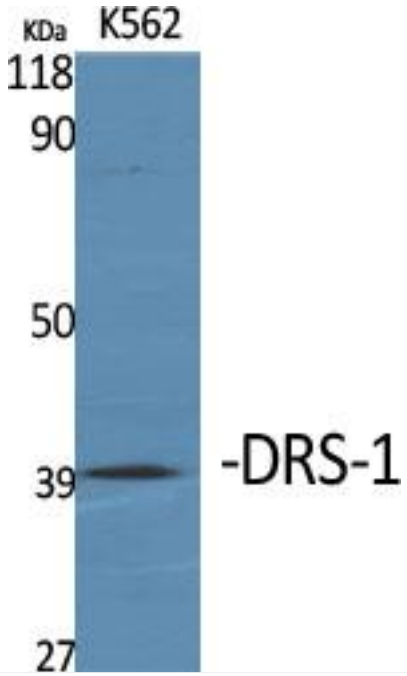
DRS-1 Monoclonal Antibody

Catalog No	YP-mAb-02624
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ECI2
Protein Name	Enoyl-CoA delta isomerase 2 mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human PECI. AA range:73-122
Specificity	DRS-1 Monoclonal Antibody detects endogenous levels of DRS-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ECI2; DRS1; HCA88; PECI; 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
Observed Band	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 Monoclonal Antibody