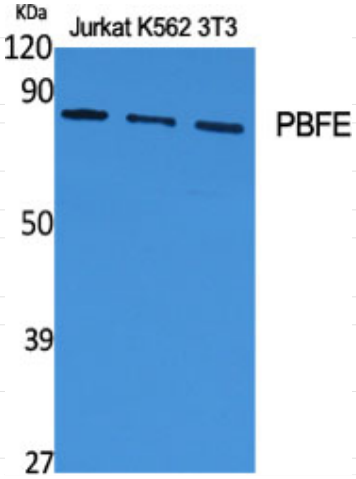
PBFE Polyclonal Antibody

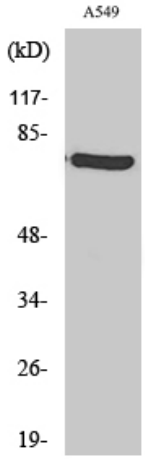
Catalog No	YP-Ab-02733
Isotype	IgG
Reactivity	Human;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	EHHADH
Immunogen	The antiserum was produced against synthesized peptide derived from human EHHADH. AA range:476-525
Specificity	PBFE Polyclonal Antibody detects endogenous levels of PBFE protein.
Formulation	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: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	3-hydroxyacyl-CoA dehydrogenase;ECHD;Enoyl-CoA hydratase/3;2-trans-enoyl-CoA isomerase;L PBE;LBFP;PBFE;EHHADH;Peroxisomal bifunctional enzyme; PBE
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Peroxisome .
Tissue Specificity	Liver and kidney. Strongly expressed in the terminal segments of the proximal tubule. Lower amounts seen in the brain.
Function	catalytic activity:(3S)-3-hydroxyacyl-CoA = trans-2(or 3)-enoyl-CoA + H(2)O., catalytic activity:(3Z)-dodec-3-enoyl-CoA = (2E)-dodec-2-enoyl-CoA.,catalytic activity:(S)-3-hydroxyacyl-CoA + NAD(+) = 3-oxoacyl-CoA + NADH., disease:Absent in patients suffering with peroxisomal disorders such as Zellweger syndrome, neonatal adrenoleukodystrophy and infantile Refsum disease.,pathway:Lipid metabolism; fatty acid beta-oxidation.,similarity:In the C-terminal section; belongs to the 3-hydroxyacyl-CoA dehydrogenase family., similarity:In the N-terminal section; belongs to the enoyl-CoA hydratase/ isomerase family.,subunit:Monomer.,tissue specificity:Liver and kidney. Lower

	amounts seen in the brain.,
Background	catalytic activity:(3S)-3-hydroxyacyl-CoA = trans-2(or 3)-enoyl-CoA + H(2)O., catalytic activity:(3Z)-dodec-3-enoyl-CoA = (2E)-dodec-2-enoyl-CoA.,catalytic activity:(S)-3-hydroxyacyl-CoA + NAD(+) = 3-oxoacyl-CoA + NADH., disease:Absent in patients suffering with peroxisomal disorders such as Zellweger syndrome, neonatal adrenoleukodystrophy and infantile Refsum disease.,pathway:Lipid metabolism; fatty acid beta-oxidation.,similarity:In the C-terminal section; belongs to the 3-hydroxyacyl-CoA dehydrogenase family., similarity:In the N-terminal section; belongs to the enoyl-CoA hydratase/ isomerase family.,subunit:Monomer.,tissue specificity:Liver and kidney. Lower amounts seen in the brain.,
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.

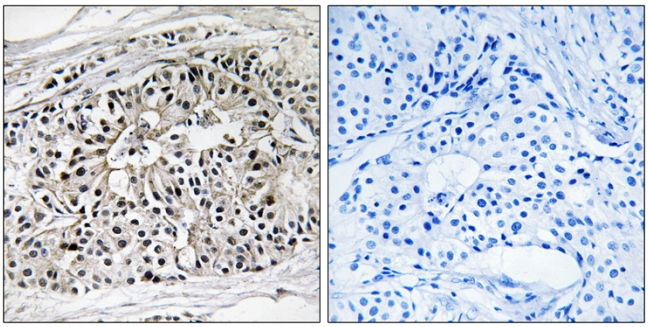
Products Images



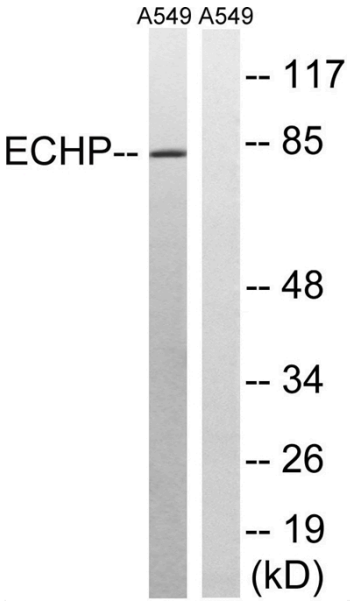
Western Blot analysis of various cells using PBFE Polyclonal Antibody



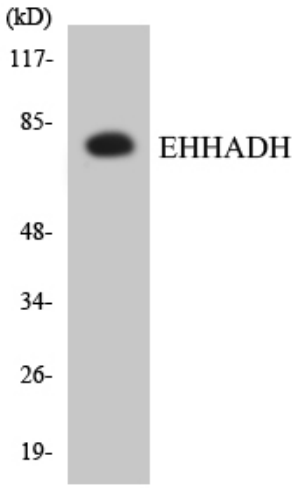
Western Blot analysis of A549 cells using PBFE Polyclonal Antibody



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



Western blot analysis of lysates from A549 cells, using EHHADH Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using EHHADH antibody.