



# PBFE Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-02733
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	EHHADH
<b>Protein Name</b>	Peroxisomal bifunctional enzyme
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human EHHADH. AA range:476-525
<b>Specificity</b>	PBFE Polyclonal Antibody detects endogenous levels of PBFE 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: 1/10000.. 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>	EHHADH; ECHD; Peroxisomal bifunctional enzyme; PBE; PBFE
<b>Observed Band</b>	80kD
<b>Cell Pathway</b>	Peroxisome .
<b>Tissue Specificity</b>	Liver and kidney. Strongly expressed in the terminal segments of the proximal tubule. Lower amounts seen in the brain.
<b>Function</b>	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.,
<b>Background</b>	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



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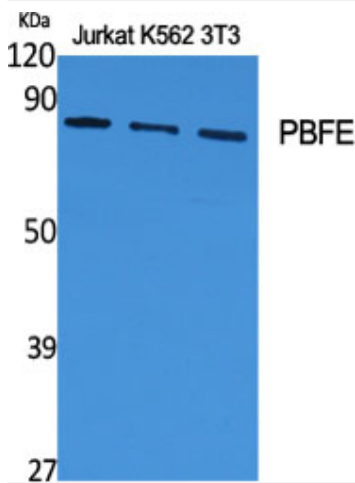
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

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

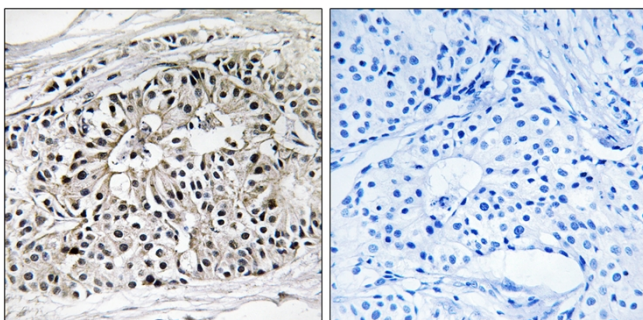
### Products Images



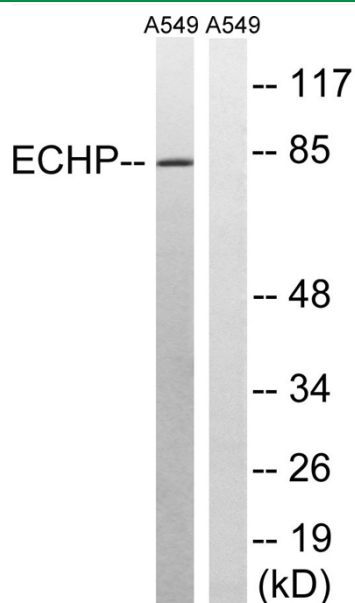
Western Blot analysis of various cells using PBFE Polyclonal Antibody



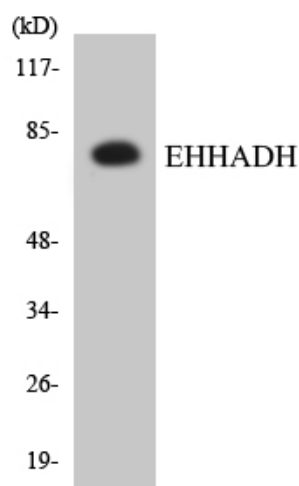
Western Blot analysis of A549 cells using PBFE Polyclonal Antibody



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.