

Product Information

Size:

50ug

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000,
IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Hydrolyzes aromatic and aliphatic esters, but has no catalytic activity toward amides or a fatty acyl-CoA ester. Hydrolyzes the methyl ester group of cocaine to form benzoylecgonine. Catalyzes the transesterification of cocaine to form cocaethylene. Displays fatty acid, ethyl ester synthase activity, catalyzing the ethyl esterification of oleic acid, to ethyloleate.

Gene ID:

CES1

Uniprot

P23141

Synonyms:

Liver carboxylesterase 1 (Acyl-coenzyme A: cholesterol acyltransferase) (ACAT) (Brain carboxylesterase hBr1) (Carboxylesterase 1) (CE-1) (hCE-1) (EC 3.1.1.1) (Cocaine carboxylesterase) (Egasyn) (HMSE) (Methylumbelliferyl-acetate deacetylase 1) (EC 3.1.1.56) (Monocyte/macrophage serine esterase) (Retinyl ester hydrolase) (REH) (Serine esterase 1) (Triacylglycerol hydrolase) (TGH), CES1, CES2 SES1

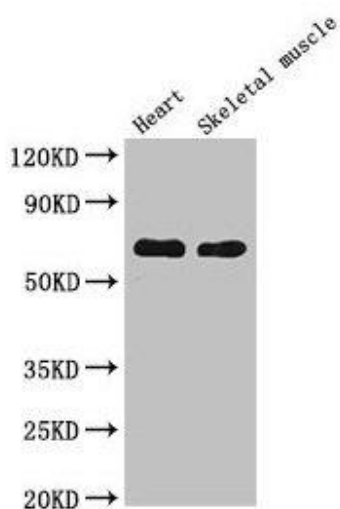
Immunogen:

Recombinant Human Liver carboxylesterase 1 protein (291-566AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images



Western Blot

Positive WB detected in: Mouse heart tissue, Mouse skeletal muscle tissue

All lanes: CES1 antibody at 5 μ g/ml

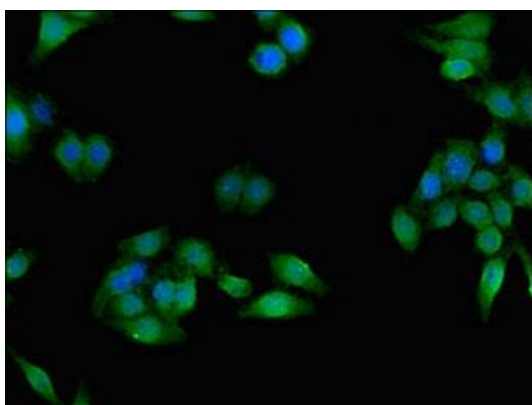
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

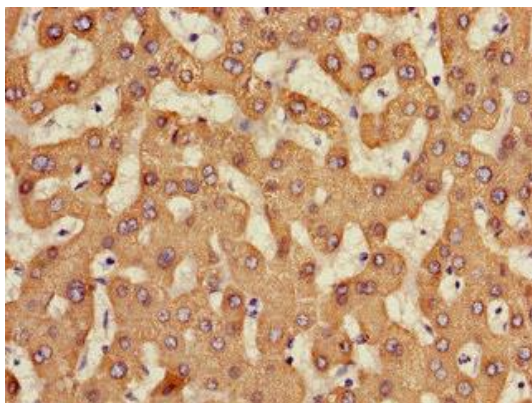
Predicted band size: 63 kDa

Observed band size: 63 kDa

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Immunofluorescent analysis of HepG2 cells using PACO25717 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human liver tissue using PACO25717 at dilution of 1:100.