

Product datasheet

Liver Carboxylesterase 1 overexpression 293T lysate (whole cell) ab94047

[2 Images](#)

Overview

Product name	Liver Carboxylesterase 1 overexpression 293T lysate (whole cell)
General notes	ab94047 is a 293T cell transfected lysate in which Human Liver Carboxylesterase 1 has been transiently over-expressed using a pCMV-Liver Carboxylesterase 1 plasmid. The lysate is provided in 1X Sample Buffer.
Tested applications	Suitable for: WB

Properties

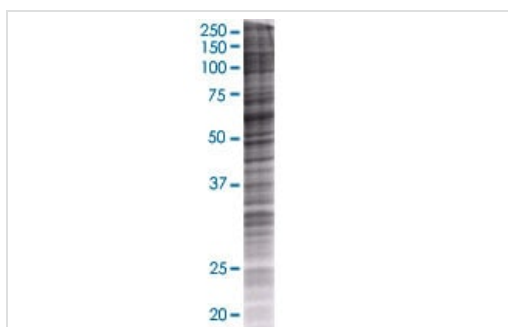
Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
Background	Function: 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. PTM: Contains sialic acid. Cleavage of the signal sequence can occur at 2 positions, either between Trp-17 and Gly-18 or between Gly-18 and His-19. Similarity: Belongs to the type-B carboxylesterase/lipase family. Tissue specificity: Expressed predominantly in liver with lower levels in heart and lung.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab94047 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

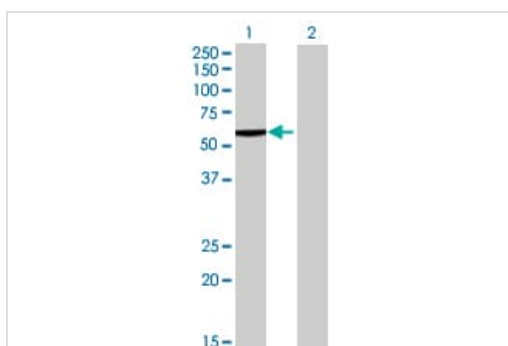
Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



SDS-PAGE - Liver Carboxylesterase 1
overexpression 293T lysate (whole cell) (ab94047)

ab94047 at 15µg/lane on an SDS-PAGE gel.



Western blot - Liver Carboxylesterase 1
overexpression 293T lysate (whole cell) (ab94047)

All lanes : Anti-Liver Carboxylesterase 1/CES1 antibody
(**ab89779**) at 1/500 dilution

Lane 1 : Liver Carboxylesterase 1 overexpression 293T lysate
(whole cell) (ab94047)

Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at
1/2500 dilution

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