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Anti-Carboxylesterase 1 / CES1 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18329

Specification

Anti-Carboxylesterase 1 / CES1 Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P23141
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**62521**

Anti-Carboxylesterase 1 / CES1 Antibody - Additional Information

Gene ID 1066

Alias Symbol	**CES1**

Other Names
CES1, ACAT, Brain carboxylesterase hBr1, Carboxylesterase 1, Carboxylesterase 2 (liver), CEH, CES1A1, CES1A2, Cocaine carboxylesterase, Egasyn, HMSE, Liver carboxylesterase 1, HCE-1, PCE-1, Retinyl ester hydrolase, TGH, Triacylglycerol hydrolase, REH ...

Target/Specificity
Human Carboxylesterase 1 / CES1

Reconstitution & Storage
Affinity purified

Precautions
Anti-Carboxylesterase 1 / CES1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Carboxylesterase 1 / CES1 Antibody - Protein Information

Name CES1

Synonyms CES2, SES1

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.

Cellular Location
Endoplasmic reticulum lumen

Tissue Location
Expressed predominantly in liver with lower levels in heart and lung.

Anti-Carboxylesterase 1 / CES1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Carboxylesterase 1 / CES1 Antibody - Citations

- Insulin transcriptionally down-regulates carboxylesterases through pregnane X receptor in an Akt-dependent manner.