

Ces1d Mouse mAb

Catalog # AP97038

Product Information

Application	WB, IHC-P, IF, IP, E
Primary Accession	Q8VCT4
Other Accession	Q8VCT4
Predicted	Rat, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	61788
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Ces1d
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the type-B carboxylesterase/lipase family
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	104158
Other Names	EST1D_MOUSE; Ces1d; Carboxylesterase 3; Fatty acid ethyl ester synthase (FAEE synthase); Triacylglycerol hydrolase (TGH); Ces1; Ces3; TGH; EST1D_RAT; Carboxyesterase ES-10; ES-HVEL; Liver carboxylesterase 10; pI 6.1 esterase;
Dilution	WB=1:100-1000,IF=1:100-500,IP=1:20-100,IHC-P=1:100-500,ELISA=1:30-3000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Ces1d {ECO:0000312 MGI:MGI:2148202}
Function	Major lipase in white adipose tissue. Involved in the metabolism of xenobiotics and of natural substrates. Hydrolyzes triacylglycerols and monoacylglycerols, with a preference for monoacylglycerols. The susceptibility of the substrate increases with decreasing acyl chain length of the fatty acid moiety. Catalyzes the synthesis of fatty acid ethyl esters (PubMed: 15220344). Hydrolyzes retinyl esters (By similarity).
Cellular Location	Endoplasmic reticulum lumen. Cytoplasm, cytosol. Lipid droplet. Microsome {ECO:0000250 UniProtKB:P16303}

Tissue Location

Highest expression occurs in liver with lower levels in adipose tissue, kidney, heart, intestine, lung, testis and thymus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.