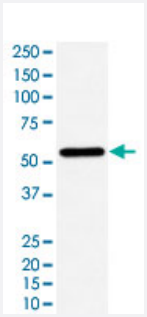
CES1 monoclonal antibody, clone AECB-3

Catalog # MAB22160 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of U-937 cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic protein of human CES1.
Immunogen	A synthetic peptide corresponding to human CES1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human, mouse, rat CES1, in native form and recombinant. Superfamily members of CES1 are not reactive to antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:1000-5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — CES1

Entrez GeneID	1066
Protein Accession#	P23141
Gene Name	CES1
Gene Alias	ACAT, CEH, CES2, HMSE, HMSE1, MGC117365, PCE-1, SES1, TGH
Gene Description	carboxylesterase 1 (monocyte/macrophage serine esterase 1)
Omim ID	114835
Gene Ontology	Hyperlink
Gene Summary	Carboxylesterase 1 is a member of a large multigene family. The enzymes encoded by these gen es are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolize long-chain fatty acid esters and thioesters. This enzyme is known t o hydrolyze aromatic and aliphatic esters and is necessary for cellular cholesterol esterification. It may also play a role in detoxification in the lung and/or protection of the central nervous system fro m ester or amide compounds. Carboxylesterase deficiency may be associated with non-Hodgkin lymphoma or B-cell lymphocytic leukemia. Three transcript variants encoding three different isofor ms have been found for this gene. [provided by RefSeq
Other Designations	acyl coenzyme A:cholesterol acyltransferase|carboxylesterase 1|carboxylesterase 2 (liver)|cholest eryl ester hydrolase|egasyn|liver carboxylesterase|triacylglycerol hydrolase

Pathway

- Drug metabolism - other enzymes
- Tropane

Disease

- Attention Deficit Disorder with Hyperactivity
- Breast cancer
- Colorectal Neoplasms
- Genetic Predisposition to Disease
- Hypertension