

CES1 rabbit monoclonal antibody

Catalog # H00001066-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CES1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CES1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CES1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CES1

Entrez GeneID	1066
GeneBank Accession#	CES1
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 genes are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolyze long-chain fatty acid esters and thioesters. This enzyme is known to 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 from ester or amide compounds. Carboxylesterase deficiency may be associated with non-Hodgkin lymphoma or B-cell lymphocytic leukemia. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	acyl coenzyme A:cholesterol acyltransferase carboxylesterase 1 carboxylesterase 2 (liver) cholesteryl 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](#)