

## Product datasheet for **TA366678**

### Liver Carboxylesterase 1 (CES1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Rat liver tissue lysate IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CES1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	63 kDa
Gene Name:	carboxylesterase 1
Database Link:	<a href="#">Entrez Gene 1066 Human P23141</a>



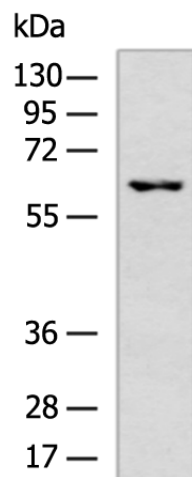
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**Background:**

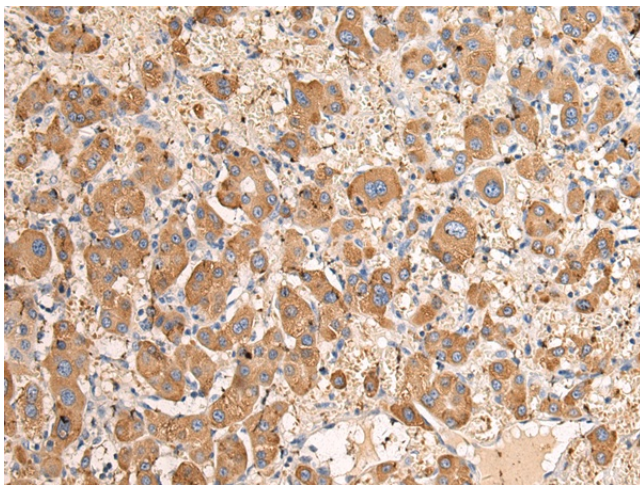
This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This enzyme is the major liver enzyme and functions in liver drug clearance. Mutations of this gene cause carboxylesterase 1 deficiency. Three transcript variants encoding three different isoforms have been found for this gene.

**Synonyms:**

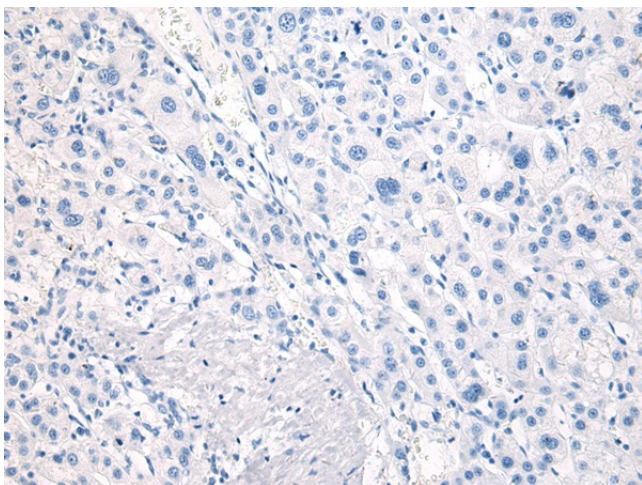
ACAT; CEH; CES1A1; CES1A2; CES2; egasyn; HMSE; HMSE1; MGC117365; PCE-1; REH; SES1; TGH

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: Rat liver tissue lysate  
Primary antibody: TA366678 (CES1 Antibody) at dilution 1/1000  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366678 (CES1 Antibody) at dilution 1/130 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366678 (CES1 Antibody) at dilution 1/130, treated with fusion protein. (Original magnification: x200)