



## Rabbit Anti-CES3 antibody

SL13869R

<b>Product Name:</b>	CES3
<b>Chinese Name:</b>	羧酸酯酶3抗体
<b>Alias:</b>	Carboxylesterase 3; CES 3; Ces3; ES3; EST3_HUMAN; FLJ21736; Liver carboxylesterase 31 homolog.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	62kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CES3:431-530/571
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and

neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined.[provided by RefSeq, Jun 2010]

**Function:**

Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Shows low catalytic efficiency for hydrolysis of CPT-11 (7-ethyl-10-[4-(1-piperidino)-1-piperidino]-carbonyloxycamptothecin), a prodrug for camptothecin used in cancer therapeutics.

**Subcellular Location:**

Endoplasmic reticulum lumen.

**Tissue Specificity:**

Expressed in liver, colon and small intestine.

**Post-translational modifications:**

N-glycosylated.

**Similarity:**

Belongs to the type-B carboxylesterase/lipase family.

**SWISS:**

Q6UWW8

**Gene ID:**

23491

**Database links:**

[Entrez Gene: 23491](#) Human

[Omim: 605279](#) Human

[SwissProt: Q6UWW8](#) Human

[Unigene: 268700](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

羧酸酯酶主要位于肝、其他组织及细胞胞液、Mitochondrion和内质网。  
是一种多聚蛋白，主要催化酯、硫酸酯和酰胺的水解