

## Anti-CES1 Polyclonal Antibody

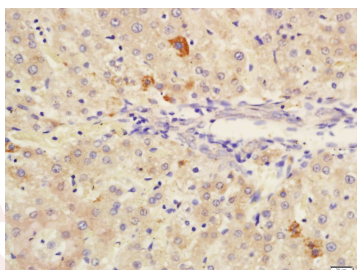
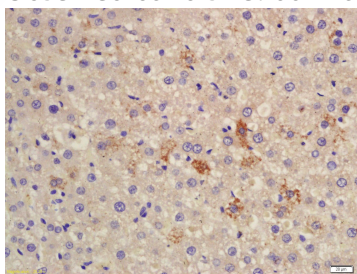
### Product Details

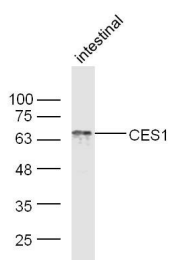
Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 61 kDa. Actual: 66 kDa.
Purification:	Protein A purified

### Applications

#### Verified Activity:

1. Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CES1 Polyclonal Antibody, Unconjugated (TMAB-00418) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
2. Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CES1/ Liver Carboxylesterase 1 Polyclonal Antibody, Unconjugated (TMAB-00418) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Protein: intestinal (mouse) lysate at 40 µg; Primary: rabbit Anti-CES1/Liver Carboxylesterase 1 (TMAB-00418) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG (secondary antibody) at 1: 5000; Predicted band size: 61 kDa Observed band size: 66 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CES1

Antigen Species: Human

Gene ID: 1066

Uniprot ID: P23141

Synonyms: hCE-1;PCE-1;ACAT;CE-1;CEH;HMSE;CES2;SES1;HMSE1;carboxylesterase 1;TGH;REH

Biology Area: Lipoprotein metabolism,Cholesterol Metabolism,Hydrolysis,Lipoproteins/Apolipoproteins,Drug metabolism,Cholesterol Metabolism,Hydrolysis,Lipoprotein metabolism,Cancer,Heart disease, Drug metabolism,Lipid metabolism

## Research 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. [provided by RefSeq, Jun 2010]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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