

For Research Use Only

# CES1 Monoclonal antibody, PBS Only



Catalog Number: 67079-1-PBS

## Basic Information

Catalog Number:

67079-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10647

GenBank Accession Number:

BC012418

GeneID (NCBI):

1066

UNIPROT ID:

P23141

Full Name:

carboxylesterase 1  
(monocyte/macrophage serine  
esterase 1)

Calculated MW:

566 aa, 62 kDa

Observed MW:

60-63 kDa

Purification Method:

Protein G purification

CloneNo.:

1C11C1

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human

## Background Information

CES1 (liver carboxylesterase 1) is also named as CES2, SES1 and belongs to the type-B carboxylesterase/lipase family. The deduced 567-amino acid protein contains a putative 18-amino acid signal peptide and a characteristic C-terminal endoplasmic reticulum retention signal (HXEL). It is the major hydrolytic enzyme responsible for the metabolism of numerous therapeutic agents as well as endogenous substrates. Western blot analysis demonstrated that CES1 is expressed in human liver microsomes (HLM) but not in human intestinal microsomes (HIM) (PMID:19185566).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

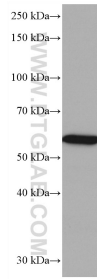
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

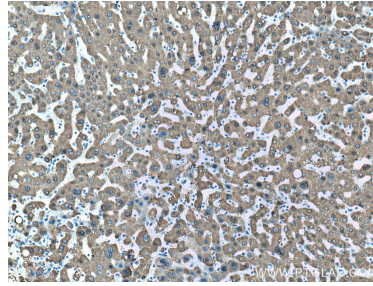
W: [ptgcn.com](http://ptgcn.com)

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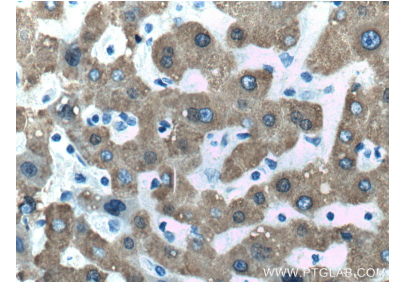
## Selected Validation Data



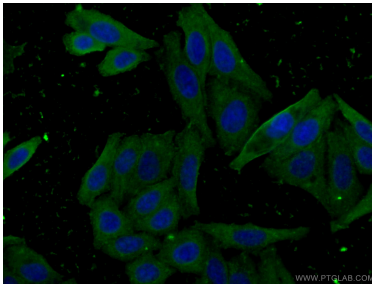
U-937 cells were subjected to SDS PAGE followed by western blot with 67079-1-Ig (CES1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67079-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67079-1-Ig (CES1 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67079-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67079-1-Ig (CES1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67079-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 67079-1-Ig (CES1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67079-1-PBS in a different storage buffer formulation.