

CES1 Monoclonal antibody, PBS Only

Catalog Number: 67079-1-PBS

Basic Information

Catalog Number: 67079-1-PBS	GenBank Accession Number: BC012418	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 1066	CloneNo.: 1C11C1
Source: Mouse	UNIPROT ID: P23141	
Isotype: IgG1	Full Name: carboxylesterase 1 (monocyte/macrophage serine esterase 1)	
Immunogen Catalog Number: AG10647	Calculated MW: 566 aa, 62 kDa	
	Observed MW: 60-63 kDa	

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).

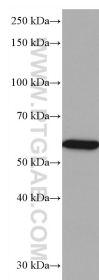
Storage

Storage:
Store at -80°C.

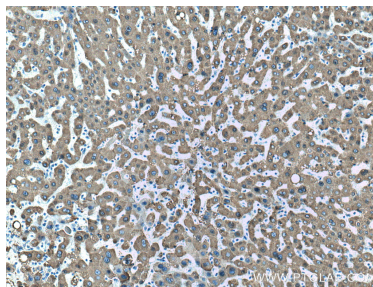
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

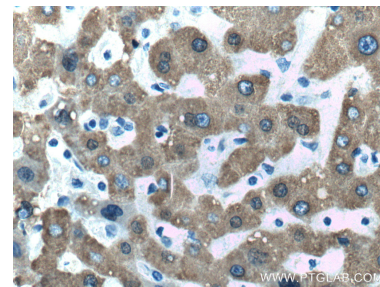
Selected Validation Data



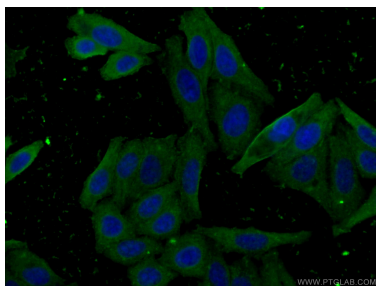
U-937 cells were subjected to SDS PAGE followed by western blot with 67079-1-Ig (CES1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67079-1-PBS in a different storage buffer formulation.



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.