Datasheet for ABIN7266077

anti-CES1 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	CES1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CES1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CES1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CES1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CES1
Alternative Name:	CES1 (CES1 Products)
Background:	This gene encodes a member of the carboxylesterase large family. The family members are

Target Details

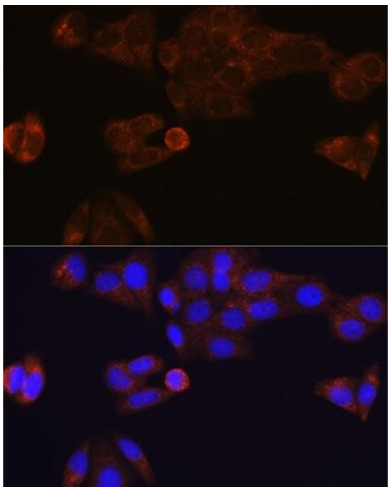
	responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This enzyme 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],ACAT, CE-1, CEH, CES2, HMSE, HMSE1, PCE-1, REH, SES1, TGH, hCE-1,Cancer,Cardiovascular,CDs,Drug metabolism,Endocrine & Metabolism,Immunology & Inflammation,Lipid Metabolism,Lipid Metabolism_Cholesterol Metabolism,Lipid Metabolism_Hydrolysis,Lipids,Signal Transduction,CES1
Molecular Weight:	55kDa
Gene ID:	1066
UniProt:	P23141
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

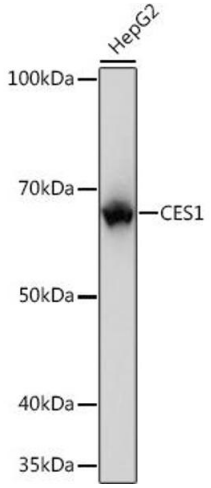
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



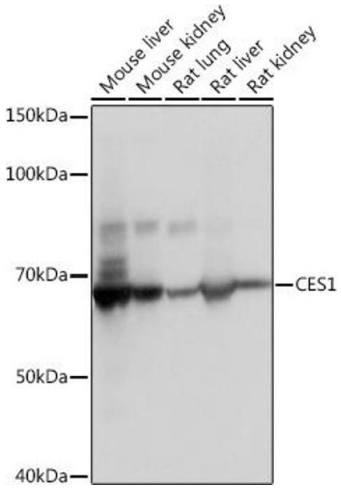
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CES1 Rabbit mAb (ABIN7266077) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HepG2 cells, using CES1 Rabbit mAb (ABIN7266077) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CES1 Rabbit mAb (ABIN7266077) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.