ARG64484
anti-CES1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CES1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise all three reported isoforms (NP_001020366.1; NP_001020365.1; NP_001257.4).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CES1
Species	Human
Immunogen	C-NTQAAQKLKDKE
Conjugation	Un-conjugated
Alternate Names	SES1; Cocaine carboxylesterase; REH; ACAT; Serine esterase 1; HMSE; Retinyl ester hydrolase; Methylumbelliferyl-acetate deacetylase 1; hCE-1; EC 3.1.1.56; CE-1; CEH; HMSE1; TGH; PCE-1; Acyl-coenzyme A:cholesterol acyltransferase; EC 3.1.1.1; Liver carboxylesterase 1; Brain carboxylesterase hBr1; Triacylglycerol hydrolase; CES2; Egasyn; Carboxylesterase 1; Monocyte/macrophage serine esterase

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 3 µg/ml
WB	0.03 - 0.1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

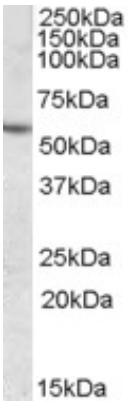
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

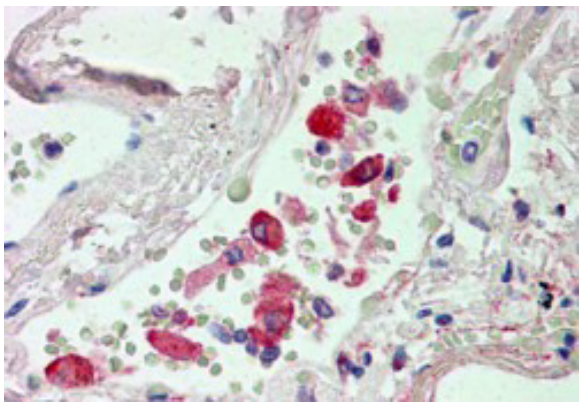
Database links	GeneID: 1066 Human Swiss-port # P23141 Human
Background	This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, 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]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	63 kDa
PTM	Contains sialic acid. Cleavage of the signal sequence can occur at 2 positions, either between Trp-17 and Gly-18 or between Gly-18 and His-19.

Images



ARG64484 anti-CES1 antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG64484 anti-CES1 antibody at 0.03 µg/ml dilution.



ARG64484 anti-CES1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Lung. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64484 anti-CES1 antibody at 2.5 µg/ml dilution followed by AP-staining.