



EST3 rabbit pAb

Catalog No	YP-Ab-08078
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CES3 UNQ869/PRO1887
Immunogen	Synthesized peptide derived from human EST3 AA range: 447-497
Specificity	This antibody detects endogenous levels of EST3 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.193% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACOX3;Acyl-CoA oxidase 3;pristanoyl;Acyl-CoA oxidase;peroxisomal;Acyl-Coenzyme A oxidase 3;Branched-chain acyl-CoA oxidase;BRCAcox;BRCOX;EST-s59;PCOX;Peroxisomal acyl-coenzyme A oxidase 3;Pristanoyl-CoA oxidase;EST3;CES3 UNQ869/PRO1887;Carboxylesterase 3 (EC 3.1.1.1) (Liver carboxylesterase 31 homolog)
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Endoplasmic reticulum lumen .
Tissue Specificity	Expressed in liver, colon and small intestine.
Function	catalytic activity:A carboxylic ester + H(2)O = an alcohol + a carboxylate., function:Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Shows low catalytic efficiency for hydrolysis of CPT-11 (7-ethyl-10-[4-(1-piperidino)-1-piperidino]-carbonyloxycamptothecin), a prodrug for camptothecin used in cancer therapeutics.,PTM:N-glycosylated., similarity:Belongs to the type-B carboxylesterase/lipase family.,tissue specificity:Expressed in liver, colon and small intestine.,



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 gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined.[provided by RefSeq, Jun 2010],

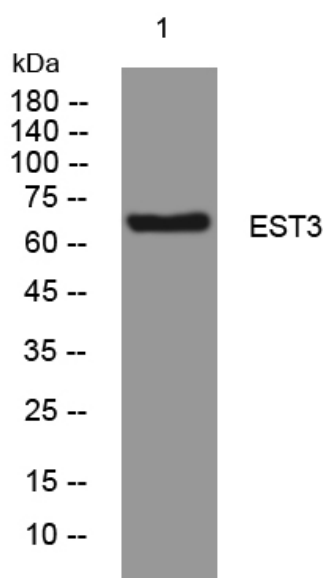
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night