CES2 Monoclonal Antibody

Catalog No	YP-mAb-03769
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CES2
Protein Name	Cocaine esterase
Immunogen	Synthesized peptide derived from the Internal region of human CES2.
Specificity	CES2 Monoclonal Antibody detects endogenous levels of CES2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CES2; ICE; Cocaine esterase; Carboxylesterase 2; CE-2; hCE-2; Methylumbelliferyl-acetate deacetylase 2
Observed Band	61kD
Cell Pathway	Endoplasmic reticulum lumen .
Tissue Specificity	Preferentially expressed in intestine with moderate expression in liver. Within the intestine, highest expression is found in small intestine with lower expression in colon and rectum.
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 high catalytic efficiency for hydrolysis of 4-methyumbelliferyl acetate, heroin and 6-monoacetylmorphine.,PTM:Glycosylated.,similarity:Belongs to the type-B carboxylesterase/lipase family.,subunit:Monomer.,tissue specificity:Preferentially expressed in intestine with moderate expression in liver. Within the intestine, highest expression is found in small intestine with lower expression in colon and rectum.,
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. The protein encoded by this gene is the major intestinal enzyme and functions in intestine drug clearance. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 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.

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