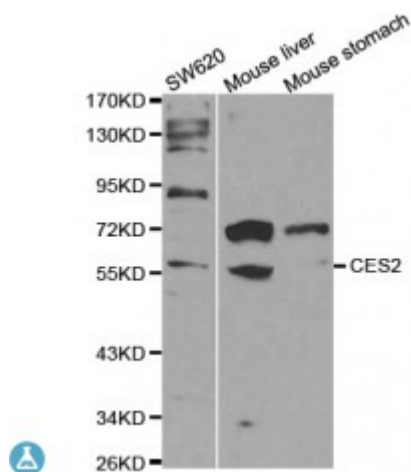


Anti-CES2 Antibody



Description

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.

Model	STJ115599
Host	Rabbit
Reactivity	Human, Mouse
Applications	IF, WB
Immunogen	Synthetic peptide of human CES2
Gene ID	8824
Gene Symbol	CES2
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
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
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Cocaine esterase
Molecular Weight	61.807 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1864OMIM:605278Reactome:R-HSA-211945
Alternative Names	Cocaine esterase
Function	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs, Shows high catalytic efficiency for hydrolysis of cocaine, 4-methylumbelliferyl acetate, heroin and 6-monoacetylmorphine,
Cellular Localization	Endoplasmic reticulum lumen
Post-translational Modifications	Glycosylated,

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