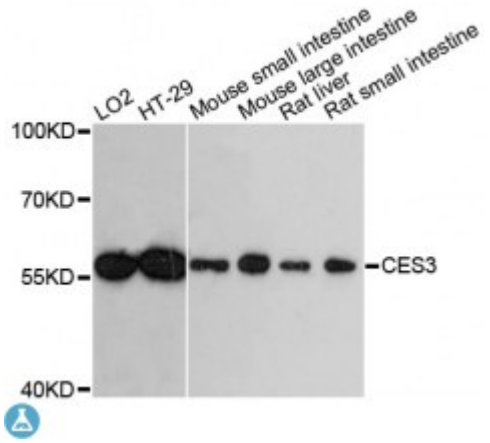
Anti-CES3 Antibody



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. 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.

Model	STJ116247
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 269-568 of human CES3 (NP_001172106.1).
Gene ID	23491
Gene Symbol	CES3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in liver, colon and small intestine
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Carboxylesterase 3
Molecular Weight	62.282 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:1865OMIM:605279Reactome:R-HSA-211945
Alternative Names	Carboxylesterase 3
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
Cellular Localization	Endoplasmic reticulum lumen
Post-translational Modifications	N-glycosylated,

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