

Anti-CES2 / Esterase Antibody (clone 4F12)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17699

Product Information

Application	WB, IHC-P, E, IP
Primary Accession	O00748
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Names	4F12
Calculated MW	61807
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	8824
Alias Symbol	CES2
Other Names	CES2, Carboxylesterase 2, CE-2, CES2A1, Cocaine esterase, Esterase, ICE, HCE-2, PCE-2
Target/Specificity	Human CES2
Reconstitution & Storage	Protein A purified
Precautions	Anti-CES2 / Esterase Antibody (clone 4F12) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CES2 (HGNC:1864)
Synonyms	ICE
Function	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs (PubMed: 9169443). Shows high catalytic efficiency for hydrolysis of cocaine, 4-methylumbelliferyl acetate, heroin and 6-monoacetylmorphine (PubMed: 9169443). Hydrolyzes aspirin, substrates with large alcohol group and small acyl group and endogenous lipids such as triacylglycerol (PubMed: 28677105). Converts monoacylglycerides to free fatty acids and glycerol. Hydrolyzes of 2- arachidonoylglycerol and prostaglandins (PubMed: 21049984).
Cellular Location	Endoplasmic reticulum lumen

Tissue Location

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.