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Anti-CES2 / Esterase Antibody (clone 4F12)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17699

Specification

Anti-CES2 / Esterase Antibody (clone 4F12) - Product Information

Application	**WB, IHC-P, E, IP**
Primary Accession	O00748
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b,k**
Calculated MW	**61807**

Anti-CES2 / Esterase Antibody (clone 4F12) - 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.

Anti-CES2 / Esterase Antibody (clone 4F12) - 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:<a href="http://www.uniprot.org/citations/21049984"

target="_blank">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

Anti-CES2 / Esterase Antibody (clone 4F12) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CES2 / Esterase Antibody (clone 4F12) - Images