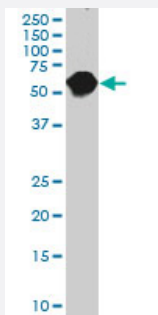


CES2 monoclonal antibody (M03), clone 4E3

Catalog # H00008824-M03

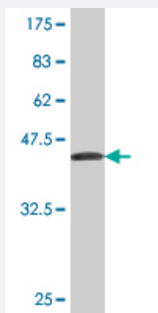
Size 100 ug

Applications



Western Blot (Cell lysate)

CES2 monoclonal antibody (M03), clone 4E3. Western Blot analysis of CES2 expression in HepG2 (Cat # L019V1).



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CES2.
Immunogen	CES2 (NP_003860, 514 a.a. ~ 621 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPHMKADHGDLPFVFRSFFGGNYKFTEEEEQLSRKMMKYWANFARNGNPNGEGLPHWPLFD QEEQYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEEPEERHT
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (72); Rat (73)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CES2 monoclonal antibody (M03), clone 4E3. Western Blot analysis of CES2 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CES2

Entrez GeneID	8824
GeneBank Accession#	NM_003869
Protein Accession#	NP_003860
Gene Name	CES2
Gene Alias	CE-2, CES2A1, PCE-2, iCE
Gene Description	carboxylesterase 2 (intestine, liver)
Omim ID	605278
Gene Ontology	Hyperlink

Gene Summary

Carboxylesterase 2 is a member of a large multigene family. The enzymes encoded by these genes are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolyze long-chain fatty acid esters and thioesters. The specific function of this enzyme has not yet been determined; however, it is speculated that carboxylesterases may play a role in lipid metabolism and/or the blood-brain barrier system. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations

carboxylesterase 2|intestinal carboxylesterase; liver carboxylesterase-2

Pathway

- [Drug metabolism - other enzymes](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Tobacco Use Disorder](#)