

Rabbit anti-Human, Mouse CES2 Polyclonal Antibody | anti-CES2 antibody

CES2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37253	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

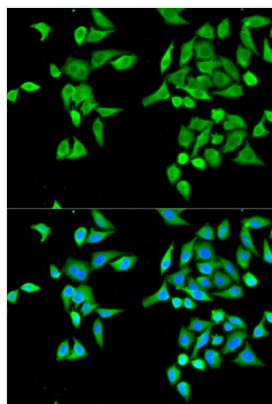
PRODUCT SYNONYMS

CES2; Polyclonal Antibody; CES2 Polyclonal Antibody; ICE; CE-2; PCE-2; CES2A1; anti-CES2 antibody

PRODUCT SPECIFICATIONS

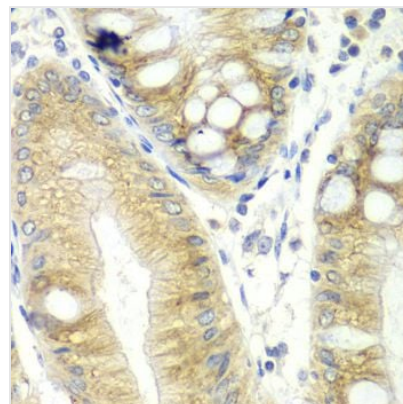
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	559
Applicable Applications for anti-CES2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic peptide of human CES2
Calculated Molecular Weight	62kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



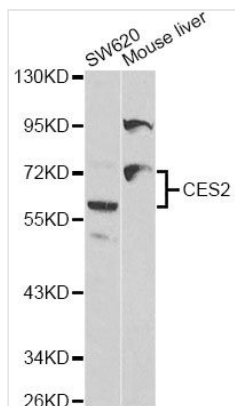
IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using CES2 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using CES2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CES2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CES2 antibody	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.[provided by RefSeq, Oct 2010]
Product Categories/Family for anti-CES2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	46576349
NCBI GeneID	8824
UniProt Accession #	O00748; Q16859; Q5MAB8; Q7Z366; Q8IUP4; Q8TCP8; A8K367
Molecular Weight	623
NCBI Official Full Name	Cocaine esterase
NCBI Official Synonym Full Names	carboxylesterase 2
NCBI Official Symbol	CES2
NCBI Official Synonym Symbols	iCE; CE-2; PCE-2; CES2A1
NCBI Protein Information	cocaine esterase; hCE-2; carboxylesterase 2 (intestine, liver); methylumbelliferyl-acetate deacetylase 2; intestinal carboxylesterase; liver carboxylesterase-2
UniProt Protein Name	Cocaine esterase
UniProt Gene Name	CES2
UniProt Synonym Gene Names	ICE; CE-2; hCE-2
UniProt Entry Name	EST2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.