

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

CES2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324568	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

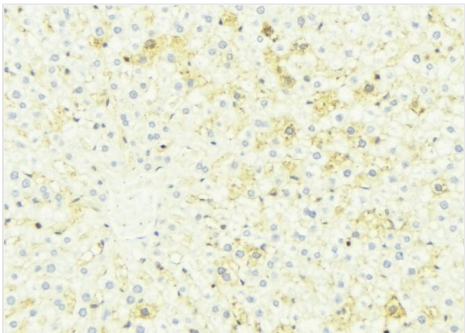
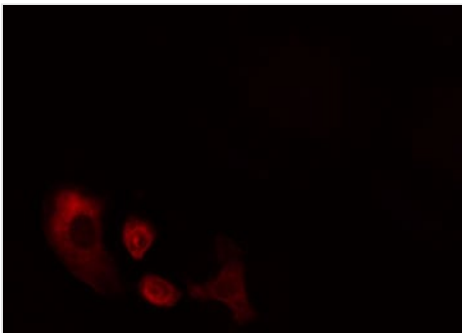
PRODUCT SYNONYMS

CES2; Polyclonal Antibody; CES2 Antibody; Carboxylesterase 2 (intestine; liver); Carboxylesterase 2; CE-2; CES2A1; Cocaine esterase; EC 3.1.1.1; EST2_HUMAN; hCE-2; ICE; Intestinal carboxylesterase liver carboxylesterase 2; Intestinal carboxylesterase; liver carboxylesterase-2; Methylumbelliferyl acetate deacetylase 2; PCE 2; PCE-2; anti-CES2 antibody

PRODUCT SPECIFICATIONS

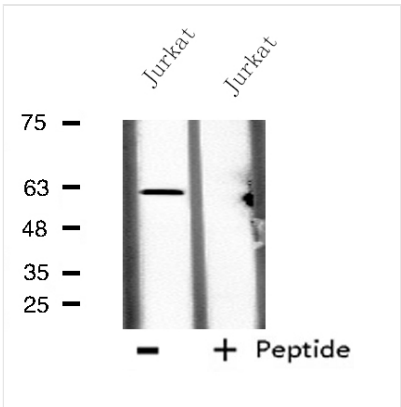
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CES2 antibody detects endogenous levels of total CES2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	623
Applicable Applications for anti-CES2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Lumen.
Tissue Specificity	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.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (92%), Horse (92%), Sheep (92%), Rabbit (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324568 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohistchemistry)
AAA324568 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using CES2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CES2 antibody	Function: Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Shows high catalytic efficiency for hydrolysis of cocaine, 4-methylumbelliferyl acetate, heroin and 6-monoacetylmorphine. Subunit Structure: Monomer. Post-translational Modifications: Glycosylated. Similarity: Belongs to the type-B carboxylesterase/lipase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37622885
NCBI GeneID	8824
NCBI Accession #	NP_003860.2
NCBI GenBank Nucleotide #	NM_003869.5
UniProt Accession #	O00748; Q16859; Q5MAB8; Q7Z366; Q8IUP4; Q8TCP8; A0A024R6X1; A8K367
Molecular Weight	Observed: 62 kD Predicted: 62 kDa
NCBI Official Full Name	cocaine esterase isoform 1
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
UniProt Protein Name	Cocaine esterase
UniProt Gene Name	CES2
UniProt Synonym Gene Names	ICE; CE-2; hCE-2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ces2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324568>