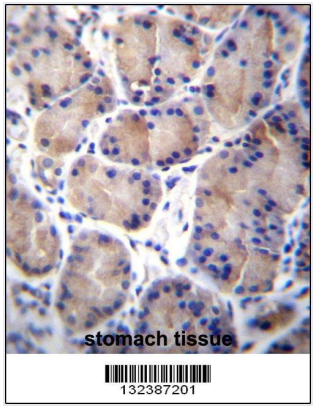
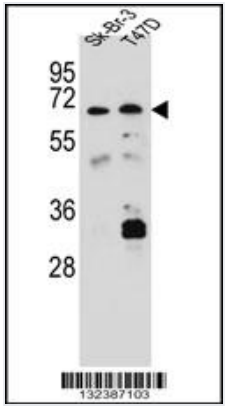
CES8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CES8, Polyclonal Antibody
Full Product Name	CES8, CT (CES4A, CES8, Carboxylesterase 4A) (PE)
Product Gene Name	anti-CES8 antibody
Product Synonym Names	CES4A; CES8; Carboxylesterase 4A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	53,504 Da
3D Structure	ModBase 3D Structure for Q5XG92
Immunogen	CES8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 532-561 amino acids from the C-terminal region of human CES8.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CES8 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-CES8 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CES8 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CES8 antibody	MBS6285292 is an antibody targeting CES8. Also known as CES8, CT (CES4A, CES8, Carboxylesterase 4A) (PE). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CES8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-CES8 antibody
CES8 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CES8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blot (WB) of anti-CES8 antibody
CES8 Antibody (C-term) western blot analysis in Sk-Br-3,T47D cell line lysates (35ug/lane).This demonstrates the CES8 antibody detected the CES8 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CES8. It may not necessarily be applicable to this product.

NCBI GI #	298231184
NCBI GeneID	283848
NCBI Accession #	NP_776176.4
UniProt Primary Accession #	Q5XG92
UniProt Secondary Accession #	Q6UX55; Q8N9F4; A8KAJ6; B7Z349; B7Z3L2; B7Z6R3
UniProt Related Accession #	Q5XG92
GenBank Nucleotide #	NM_173815.5
NCBI Official Full Name	carboxylesterase 8 isoform 1
NCBI Official Synonym Full Names	carboxylesterase 4A
NCBI Official Symbol	CES4A
NCBI Official Synonym Symbols	CES6; CES8
UniProt Protein Name	Pyrethroid hydrolase Ces2a
UniProt Synonym Protein Names	carboxylesterase 2A
UniProt Gene Name	Ces2a
UniProt Synonym Gene Names	Ces6
UniProt Entry Name	EST2A_MOUSE
NCBI Protein Information	carboxylesterase 4A
NCBI Summary for CES8	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 also participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene, also called CES6, encodes a secreted enzyme, and may play a role in the detoxification of drugs and xenobiotics in neural and other tissues of the body and in the cerebrospinal fluid. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature and/or biological validity of some variants have not been determined. [provided by RefSeq, Jun 2010]

UniProt Comments for CES8	CES8: Probable carboxylesterase. Belongs to the type-B carboxylesterase/lipase family. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Hydrolase; EC 3.1.1.- Chromosomal Location of Human Ortholog: 16q22.1 Cellular Component: extracellular space Biological Process: metabolic process
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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