

Datasheet for ABIN2775271
anti-CES2 antibody (C-Term)



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5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CES2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CES2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CES2
Sequence:	HWPLFDQEEQ YLQLNLQPAV GRALKAHRLQ FWKKALPQKI QELEEPEERH
Predicted Reactivity:	Dog: 83%, Guinea Pig: 83%, Human: 100%, Mouse: 83%, Rat: 83%
Characteristics:	This is a rabbit polyclonal antibody against CES2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CES2
Alternative Name:	CES2 (CES2 Products)

Target Details

Background: Carboxylesterase 2 is a member of a large multigene family. The enzymes 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. 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.

Alias Symbols: CE-2, iCE, PCE-2, CES2A1
Protein Size: 623

Molecular Weight: 69 kDa

Gene ID: 8824

NCBI Accession: [NM_003869](#), [NP_003860](#)

UniProt: [O00748](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 623 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

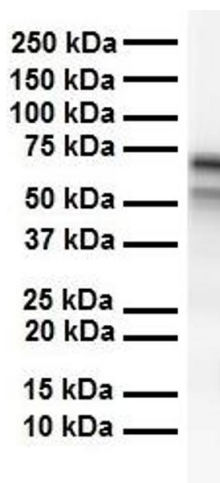
Product cited in: Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) ([PubMed](#)).

Images



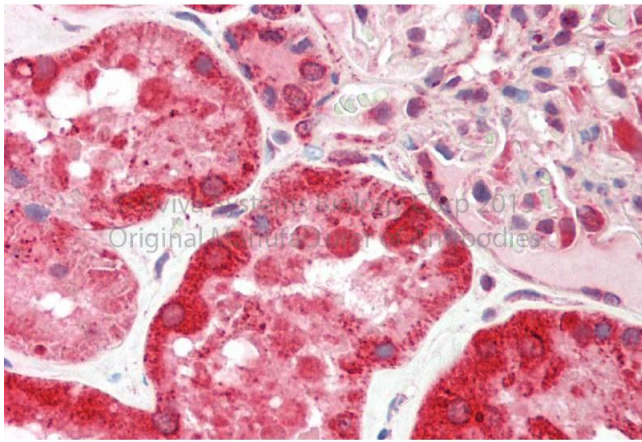
Western Blotting

Image 1. WB Suggested Anti-CES2 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate CES2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Western Blotting

Image 2. WB Suggested Anti-CES2 antibody Titration: 1 ug/mL Sample Type: Human heart



Immunohistochemistry

Image 3. Rabbit Anti-CES2 antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult Kidney Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2775271.