

# Product Datasheet

## Carboxylesterase 1/CES1 Antibody - BSA Free NBP1-85691

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NBP1-85691**

Carboxylesterase 1/CES1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

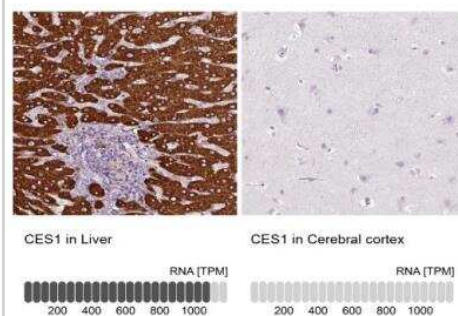
Product Description	
Description	Novus Biologicals Rabbit Carboxylesterase 1/CES1 Antibody - BSA Free (NBP1-85691) is a polyclonal antibody validated for use in IHC, WB and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1066
Gene Symbol	CES1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VTIFGESAGGESVSVLVLSPLAKNLFHRAISESGVALTSVLVKKGDVKPLAEQIAI TAGCKTTTSAVMVHCLRQKTEEEELLETTLMKFLSLDLQGDPRESQPLLGTVID GMLLLKTPEELQAERNFHTVP

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in RT-4, separated by Size, antibody dilution of 1:20, apparent MW was 56 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

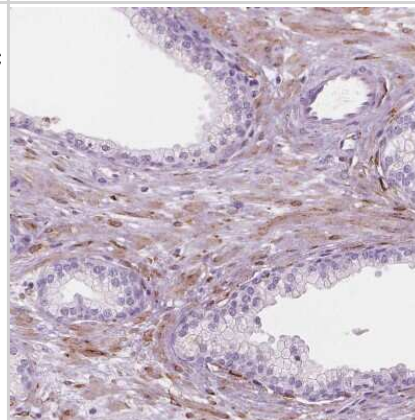


## Images

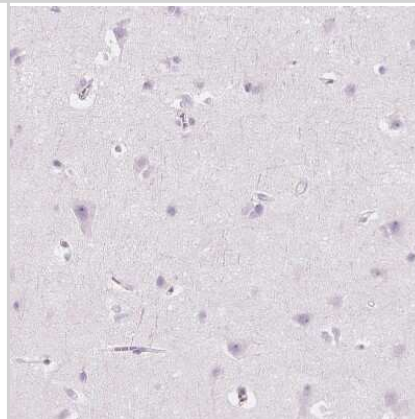
Immunohistochemistry-Paraffin: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Analysis in human liver and cerebral cortex tissues using NBP1-85691 antibody. Corresponding CES1 RNA-seq data are presented for the same tissues.



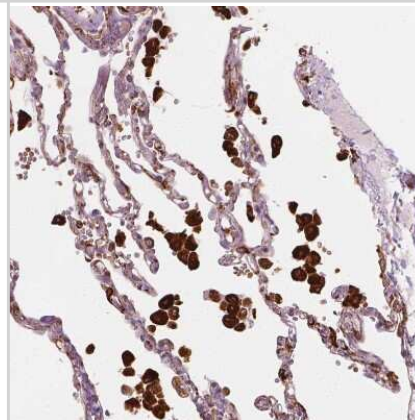
Immunohistochemistry-Paraffin: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Staining of human prostate shows moderate cytoplasmic positivity in smooth muscle cells.



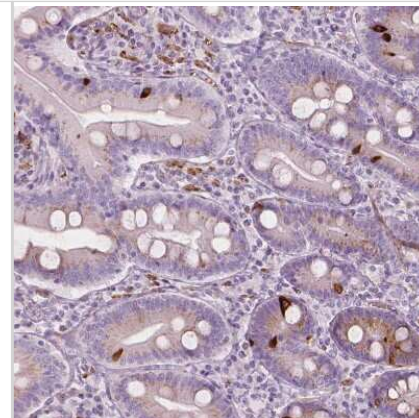
Immunohistochemistry-Paraffin: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Staining of human cerebral cortex shows no cytoplasmic positivity in neuronal cells as expected.



Immunohistochemistry-Paraffin: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Staining of human lung shows strong cytoplasmic positivity in macrophages.



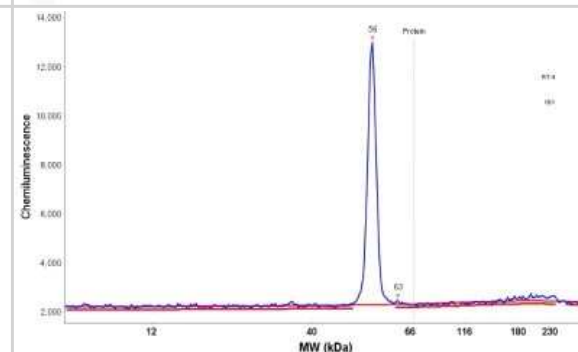
Immunohistochemistry-Paraffin: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Staining of human small intestine shows strong cytoplasmic positivity in enteroendocrine cells.



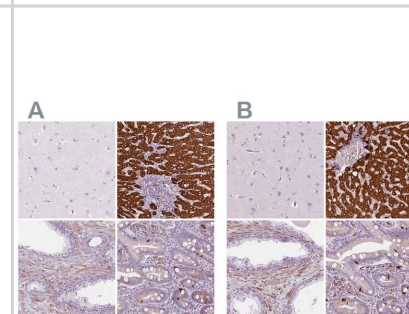
Simple Western: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Simple Western lane view shows a specific band for CES1 in 0.2 mg/ml of RT-4 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



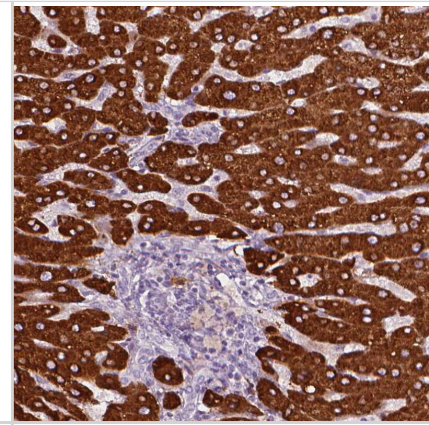
Simple Western: Carboxylesterase 1/CES1 Antibody [NBP1-85691] - Electropherogram image(s) of corresponding Simple Western lane view. CES1 antibody was used at 1:20 dilution on RT-4 lysate(s).



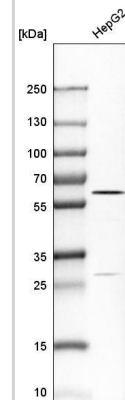
Staining of human cerebral cortex, liver, prostate and upper gastrointestinal using NBP1-85691 (A) shows similar protein distribution across tissues to independent antibody NBP2-48854 (B).



Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Analysis in human cell line HepG2.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-85691**

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NBP1-85691PEP	Carboxylesterase 1/CES1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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