

# Product Datasheet

## Arginase 1/ARG1/liver Arginase Antibody (CL0186) - BSA Free NBP2-14787

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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**NBP2-14787**

Arginase 1/ARG1/liver Arginase Antibody (CL0186) - BSA Free

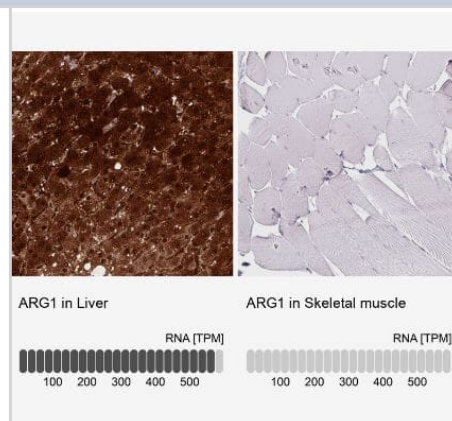
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0186
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Mouse Arginase 1/ARG1/liver Arginase Antibody (CL0186) - BSA Free (NBP2-14787) is a monoclonal antibody validated for use in IHC, WB and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	383
Gene Symbol	ARG1
Species	Human
Reactivity Notes	Expected to cross react based on sequence identity: Rat (81%), Mouse (82%).
Immunogen	This antibody was developed using a recombinant protein derived from P05089, with the exact immunogen sequence remaining proprietary.

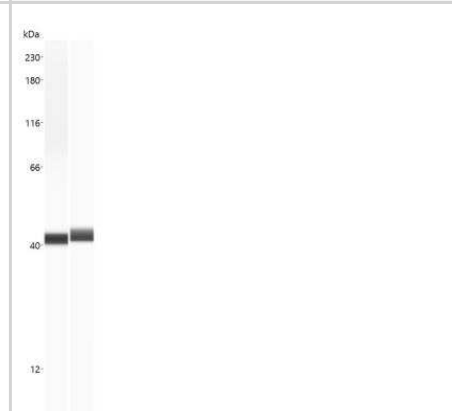
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Simple Western 1:20, Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500-1:5000
Application Notes	For IHC-Paraffin, 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 Liver, separated by Size, antibody dilution of 1:20, apparent MW was 42 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

## Images

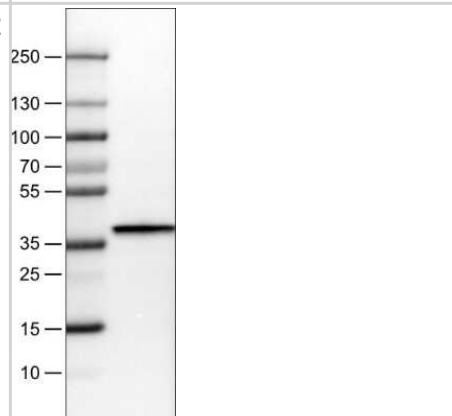
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] -Analysis in human liver and skeletal muscle tissues using NBP2-14787 antibody. Corresponding ARG1 RNA-seq data are presented for the same tissues.



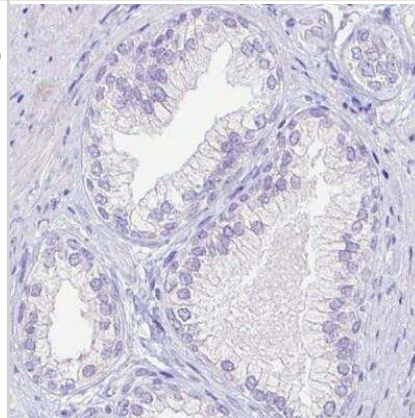
Simple Western: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Simple Western lane view shows a specific band for ARG1 in human and mouse Liver lysate using ARG1 antibody (NBP2-14787) at 25 ug/ml. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



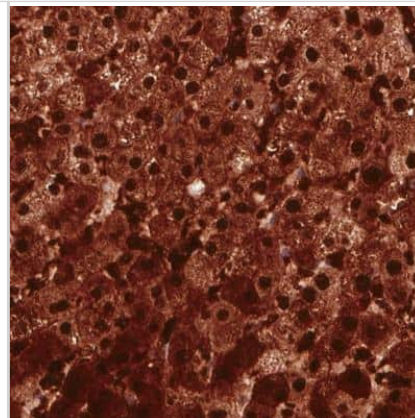
Western Blot: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Lane 1: Marker [kDa], Lane 2: Human liver tissue lysate



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Staining of human prostate shows no immunoreactivity (negative control).



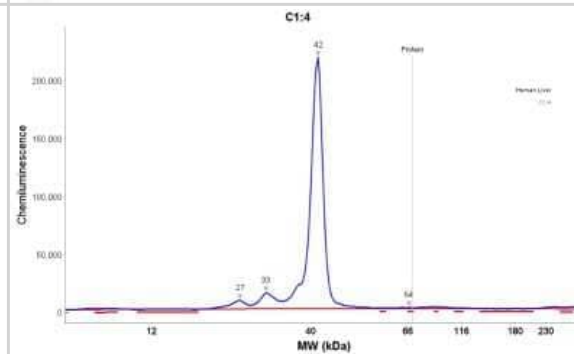
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Staining of human liver shows strong nuclear and cytoplasmic positivity in hepatocytes.



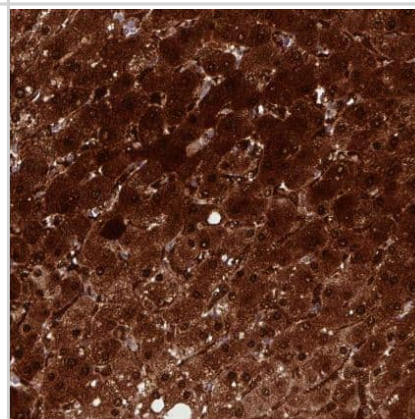
Simple Western: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Simple Western lane view shows a specific band for ARG1 in 0.2 mg/ml of Liver lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



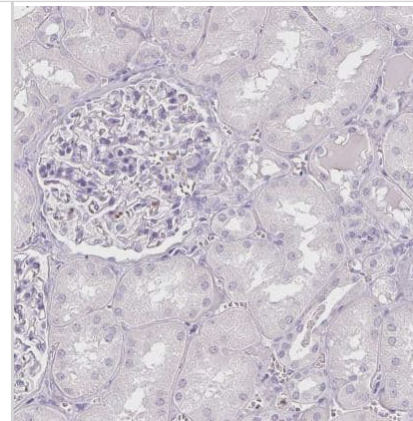
Simple Western: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] - Electropherogram image(s) of corresponding Simple Western lane view. Arginase 1/ARG1/liver Arginase antibody was used at 1:20 dilution on Liver lysate(s).



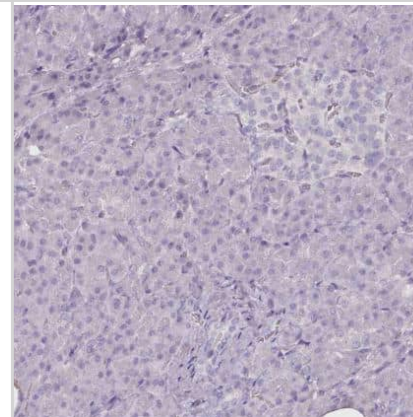
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] -Staining of human liver shows strong cytoplasmic and nuclear positivity in hepatocytes.



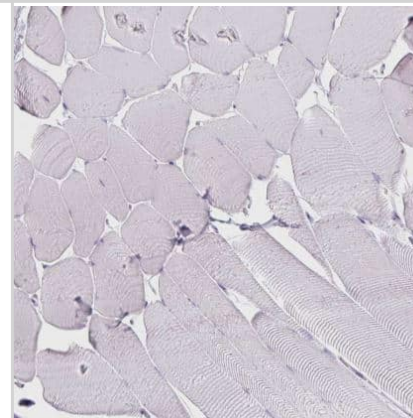
Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] -Staining of human kidney shows no positivity in cells in tubules as expected.



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] -Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: Arginase 1/ARG1/liver Arginase Antibody (CL0186) [NBP2-14787] -Staining of human skeletal muscle shows no positivity in myocytes as expected.





### **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 NBP2-14787**

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NBP2-14787PEP	Arginase 1/ARG1/liver Arginase Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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