

# Product Datasheet

## ALAS2 Antibody - BSA Free

### NBP1-54728

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-54728](http://www.novusbio.com/NBP1-54728)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-54728](http://www.novusbio.com/reviews/destination/NBP1-54728)



**NBP1-54728**

ALAS2 Antibody - BSA Free

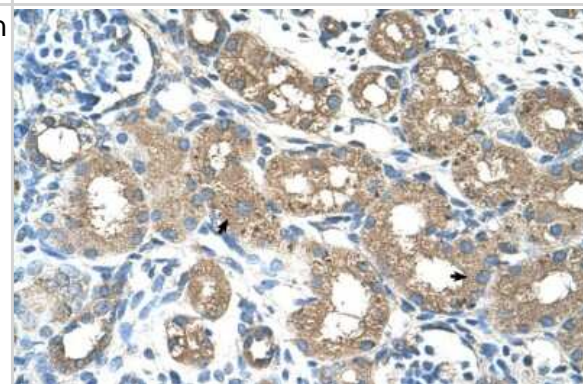
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	57 kDa
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	212
Gene Symbol	ALAS2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse and Rat reactivity reported in scientific literature (PMID: 26231844).
Immunogen	Synthetic peptides corresponding to ALAS2(aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)) The peptide sequence was selected from the N terminal of ALAS2. Peptide sequence VFKTVNRWADAYPFAQHFSEASVASKDVSVWCSNDYLGMSRHPQVLQATQ The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500

## Images

Western Blot: ALAS2 Antibody [NBP1-54728] - Titration: 5.0ug/ml  
Positive Control: Jurkat cell lysate.



Immunohistochemistry-Paraffin: ALAS2 Antibody [NBP1-54728] - Human kidney Tissue, antibody concentration 4-8ug/ml. Cells with positive label: renal corpuscle cells (indicated with arrows) 400X magnification.



## Publications

Sawicki KT, Shang M, Wu R et al. Increased Heme Levels in the Heart Lead to Exacerbated Ischemic Injury. *J Am Heart Assoc.* 2015-08-03 [PMID: 26231844] (WB, Mouse, Human, Rat)

### Details:

ALAS2 antibody was used for WB application on lysates of tissues namely heart, kidney, liver, lung and skeletal muscle from cardiac-specific ALAS2 overexpressing transgenic mice (Figure 1C). WB was also performed on heart lysates of ALAS2 non transgenic and transgenic mice 28 days after myocardial infarction or sham thoracotomy (Figure 5C), and on lysates of H9c2 cells subjected to ALAS2 lentiviral overexpression or si-RNA ALAS1 treatment (Figure 6A). ALAS2 WB was also performed on lysates from non-failing or failing human hearts including the ones with ischemic cardiomyopathy (Figure 7).



### **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 NBP1-54728**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000212-Q01-10ug	Recombinant Human ALAS2 GST (N-Term) Protein

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-54728](http://www.novusbio.com/reviews/submit/NBP1-54728)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

