

# Product Datasheet

## ALAD Antibody - BSA Free NBP1-89158

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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### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP1-89158**

ALAD 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

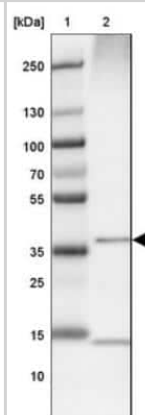
Product Description	
Description	Novus Biologicals Rabbit ALAD Antibody - BSA Free (NBP1-89158) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-ALAD Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	210
Gene Symbol	ALAD
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 28857503).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GCQVVAPSDMMDGRVEAIKEALMAHGLGNRVSVMSYSKAFASCFYGPFRDAA KSSPAFGDRRCYQLPPGARGLALRAVDRD

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:200, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
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 h. Liver and h. Adrenal lysates, separated by Size, antibody dilution of 1:200, apparent MW was 39 kDa

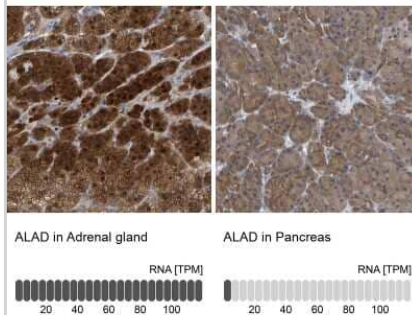


## Images

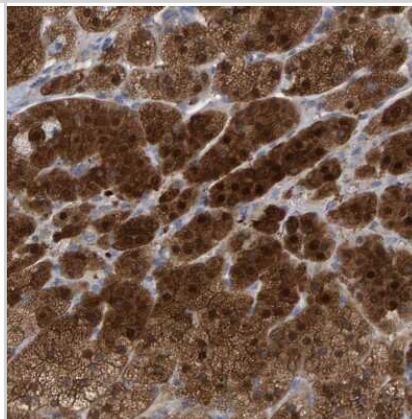
Western Blot: ALAD Antibody [NBP1-89158] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Liver



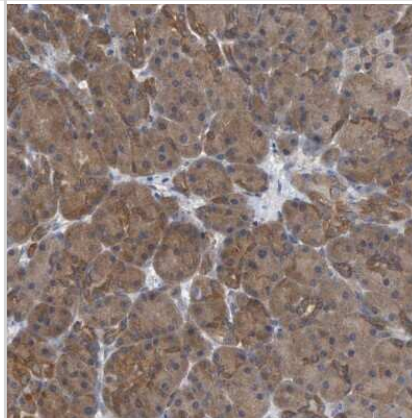
Immunohistochemistry-Paraffin: ALAD Antibody [NBP1-89158] - Staining in human adrenal gland and pancreas tissues using anti-ALAD antibody. Corresponding ALAD RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: ALAD Antibody [NBP1-89158] - Staining of human adrenal gland shows high expression.



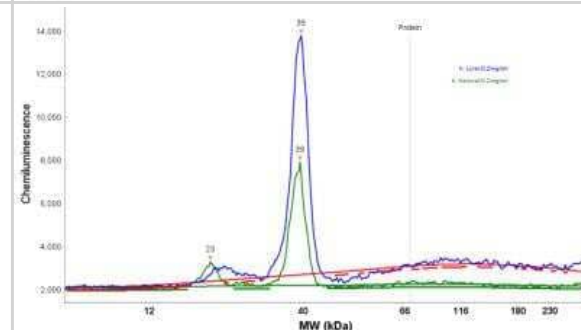
Immunohistochemistry-Paraffin: ALAD Antibody [NBP1-89158] - Staining of human pancreas shows low expression as expected.



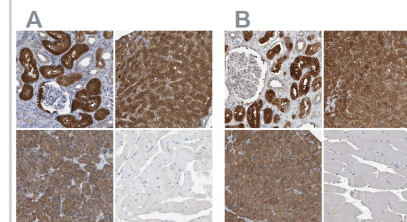
Simple Western: ALAD Antibody [NBP1-89158] - Simple Western lane view shows a specific band for ALAD in 0.2 mg/ml of h. Liver (left) and h. Adrenal (right) lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: ALAD Antibody [NBP1-89158] - Electropherogram image of the corresponding Simple Western lane view. ALAD antibody was used at 1:200 dilution on h. Liver and h. Adrenal lysate(s) respectively.



Staining of human kidney, liver, pancreas and skeletal muscle using NBP1-89158 (A) shows similar protein distribution across tissues to independent antibody NBP1-89157 (B).



## Publications

Moreno-Navarrete JM, Rodriguez A, Ortega F et al. Heme Biosynthetic Pathway is Functionally Linked to Adipogenesis via Mitochondrial Respiratory Activity Obesity (Silver Spring) 2017-10-01 [PMID: 28857503] (WB, Rat)



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### **Products Related to NBP1-89158**

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NBP1-89158PEP	ALAD Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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