

# Product Datasheet

## Hormone-sensitive Lipase/HSL Antibody NB110-37253

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NB110-37253****Hormone-sensitive Lipase/HSL Antibody**

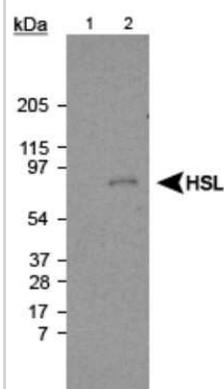
Product Information	
Unit Size	0.05 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	IgG purified
Buffer	PBS containing 1 mg/ml BSA

Product Description	
Host	Rabbit
Gene ID	3991
Gene Symbol	LIPE
Species	Human, Mouse, Rat
Immunogen	A fusion protein containing an internal portion of the rat HSL protein (between residues 699-908). [Swiss-Prot P15304]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:100-1:2000
Application Notes	This HSL antibody is useful for Western Blot, where a band at ~84kDa is seen representing HSL protein. A non-specific band may be seen at ~89 kDa. Bands at ~102, 113, and 127 kDa may also be seen in the testis of sexually immature rats.

**Images**

Western Blot: HSL Antibody [NB110-37253] - Detection of HSL using NB110-37253. Lane 1: Liver extract (negative control) Lane 2: Fat extract (10ug) (positive sample).



## Publications

Chen L, You Q, Liu M et al. Remodeling of dermal adipose tissue alleviates cutaneous toxicity induced by anti-EGFR therapy eLife 2022-03-24 [PMID: 35324426]

Zhao F, Ke J, Pan W et al. Synergistic effects of ISL1 and KDM6B on non-alcoholic fatty liver disease through the regulation of SNAI1 Molecular medicine (Cambridge, Mass.) 2022-01-31 [PMID: 35100965] (WB, Mouse)

Smagris E, BasuRay S, Li J et al. Pnpla3<sup>1148M</sup> knockin mice accumulate PNPLA3 on lipid droplets and develop hepatic steatosis. Hepatology. 2014-06-10 [PMID: 24917523] (WB, Mouse)

### Details:

Rabbit anti-mouse HSL (1:1000; Novus Biologicals, Littleton, CO) used in Western blot analysis of hepatic lipid droplet proteins of Pnpla3<sup>148M/M</sup> and Pnpla3<sup>47A/A</sup> KI mice(Fugure 6A)

Hagopian K, Tomilov AA, Tomilova N et al. Shc proteins influence the activities of enzymes involved in fatty acid oxidation and ketogenesis Metabolism 2012-06-07 [PMID: 22683097] (WB, Mouse)

Kraemer, FB et al. Detection of hormone-sensitive lipase in various tissues. J Lipid Res. 34(4):663-71. 1993-04-01 [PMID: 8496671] (WB, Rat)





### **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 NB110-37253**

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NB820-59170	Human Adipose Whole Tissue Lysate (Adult Whole Normal)
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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