

# Product Datasheet

## CIDEC Antibody - BSA Free

### NB100-430

Unit Size: 0.1 ml

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

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



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**NB100-430**

CIDEDEC Antibody - BSA Free

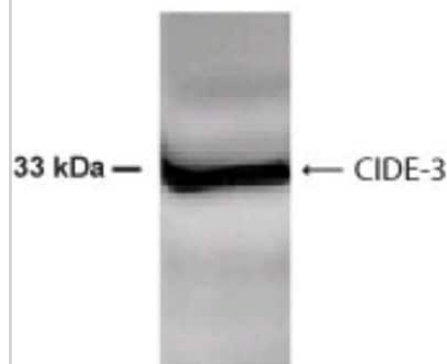
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	26.8 kDa

Product Description	
Host	Rabbit
Gene ID	63924
Gene Symbol	CIDEDEC
Species	Human, Mouse, Rat
Specificity/Sensitivity	This is specific for CIDE-3.
Immunogen	Residues 10-25 LLYPKSLSRHVSVRTS] of the 27 kDa human FSP27 (CIDE-3) protein.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:1000, Immunocytochemistry/ Immunofluorescence
Application Notes	This antibody may be used for Western blot. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 23466592) No other assays have been tested. Suggested working dilutions: * Western Blot - 1:500 ~ 1:1,000 *The investigator should determine the optimal working dilution for a specific application. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

Western Blot: CIDEDEC Antibody [NB100-430] - Analysis of CIDEDEC using NB100-430 at 1:1000 dilution on 30ug HepG2 cell lysate.



## Publications

Chiang YP, Li Z, He M et al. Sphingomyelin synthase-related protein SMSr is a phosphatidylethanolamine phospholipase C that promotes nonalcoholic fatty liver disease *Journal of Biological Chemistry* 2023-08-14 [PMID: 37586586] (Western Blot)

Barsky M, Merkison J, Hosseinzadeh P, et al. Fetal programming of polycystic ovary syndrome: Effects of androgen exposure on prenatal ovarian development *The Journal of steroid biochemistry and molecular biology* 2021-01-27 [PMID: 33515680] (WB, Mouse)

Zhang J, Zamani M et al. AUP1 (Ancient Ubiquitous Protein 1) Is a Key Determinant of Hepatic Very-Low-Density Lipoprotein Assembly and Secretion. *Arterioscler Thromb Vasc Biol* 2017-01-04 [PMID: 28183703] (WB, Human)

Zhang L, Zhang Z, Li C et al. S100A11 Promotes Liver Steatosis via FOXO1-Mediated Autophagy and Lipogenesis *Cell Mol Gastroenterol Hepatol* 2020-10-16 [PMID: 33075563] (WB, Mouse)

Li P, Lu M, Shi J et al. Lung mesenchymal cells elicit lipid storage in neutrophils that fuel breast cancer lung metastasis *Nat. Immunol.* 2020-09-21 [PMID: 32958928] (WB, Mouse)

Zhao L, Zhao J, Gao R, et al. miR-130b is a Potent Stimulator of Hepatic VLDL Assembly and Secretion via Marked Induction of Microsomal Triglyceride Transfer Protein (MTP) *Am. J. Physiol. Endocrinol. Metab.* 2019-12-10 [PMID: 31821038]

Herrera-Marcos LV, Sancho-Knapik S, Gabas-Rivera C et al. Pgc1a is responsible for the sex differences in hepatic Cidec/Fsp27 beta mRNA expression in hepatic steatosis of mice fed a Western diet *Am. J. Physiol. Endocrinol. Metab.* 2019-12-17 [PMID: 31846369]

Luong QV Determining the Physiological Contribution of Adipocyte Subpopulations Thesis 2019-08-01 (WB, Mouse)

Huang HJ, Holub C, Rolzin P et al. Adipocyte Hypertrophy and Improved Postprandial Lipid Response in Beta 2 Syntrophin Deficient Mice *Cell. Physiol. Biochem.* 2019-08-13 [PMID: 30990585] (WB, Mouse)

He J, Zhang B, Gan H. CIDEc Is Involved in LPS-Induced Inflammation and Apoptosis in Renal Tubular Epithelial Cells. *Inflammation* 2018-06-30 [PMID: 29959627]

Sharma VM, Vestergaard ET, Jessen N et al. Growth hormone acts along PPARg-FSP27 axis to stimulate lipolysis in human adipocytes. *Am. J. Physiol. Endocrinol. Metab.* 2018-10-16 [PMID: 30325658] (WB, Human)

Hasenfuss SC, Bakiri L, Thomsen MK et al. Regulation of steatohepatitis and PPAR-gamma signaling by distinct AP-1 dimers. *Cell Metab.* 2014-01-07 [PMID: 24411941] (WB, Mouse)

More publications at <http://www.novusbio.com/NB100-430>





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### **Products Related to NB100-430**

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NBL1-09207	CIDEC Overexpression Lysate
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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