

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.

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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

Description	Novus Biologicals Rabbit CIDEDEC Antibody - BSA Free (NB100-430) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-CIDEDEC Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

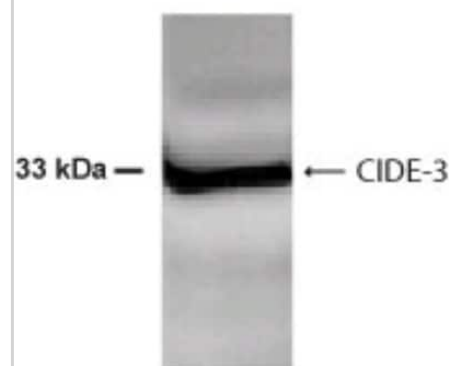
Product Application Details

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: CIDEc Antibody [NB100-430] - Analysis of CIDEc 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, Mouse)

Riis S, Christensen B, Nellesmann B et al. Molecular adaptations in human subcutaneous adipose tissue after ten weeks of endurance exercise training in healthy males *J. Appl. Physiol.* 2018-12-20 [PMID: 30571288] (Western Blot, Mouse)

Chhetri A, Park C, Kim H et al. TMEM135 deficiency improves hepatic steatosis by suppressing CD36 in a SIRT1-dependent manner *Mol Metab* 2024-12-09 [PMID: 39647810]

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]

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



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Products Related to NB100-430

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

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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