

# Product Datasheet

## CIDEA Antibody - BSA Free

### NBP1-76950

Unit Size: 0.1 mg

Store at 4C.

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**NBP1-76950**

CIDEA Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	25 kDa

**Product Description**

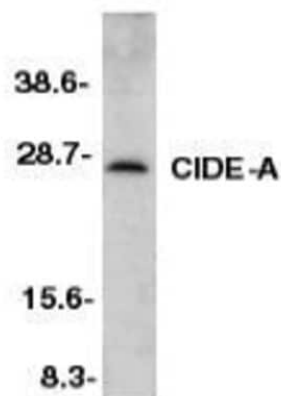
<b>Host</b>	Rabbit
<b>Gene ID</b>	1149
<b>Gene Symbol</b>	CIDEA
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	It has no cross activity to CIDE-B.
<b>Immunogen</b>	Antibody was raised against an 18 amino acid peptide near the carboxy terminus of mouse CIDE-A. The immunogen is located within the last 50 amino acids of CIDE-A. Amino Acid Sequence: GDTEEQPSPKPSTKG

**Product Application Details**

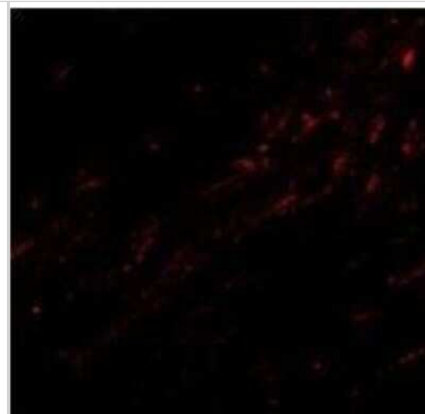
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.5 ug/mL, ELISA 1:100 - 1:2000, Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin

**Images**

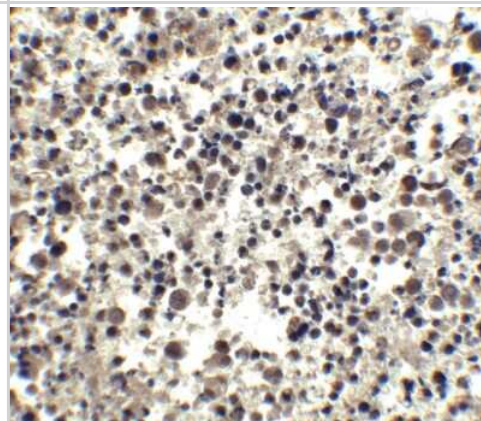
Western Blot: CIDEA Antibody [NBP1-76950] - Mouse heart tissue lysate with CIDE-A antibody at 1:500 dilution.



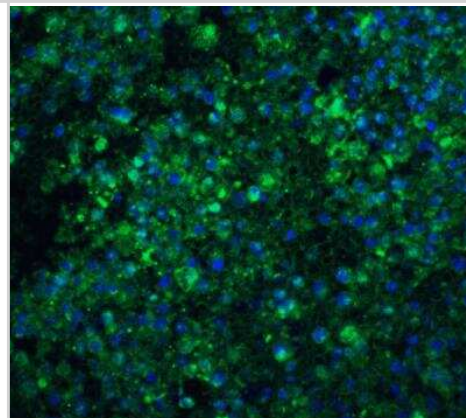
Immunocytochemistry/Immunofluorescence: CIDEA Antibody [NBP1-76950] - Mouse Heart cells with CIDE-A antibody at 20 ug/mL.



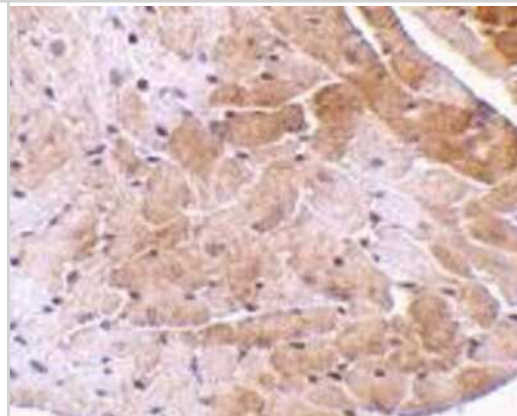
Immunohistochemistry-Paraffin: CIDEA Antibody [NBP1-76950] - Analysis of CIDE-A in human brain tissue with CIDE-A antibody at 2.5 ug/mL.



Immunocytochemistry/Immunofluorescence: CIDEA Antibody [NBP1-76950] - Human brain tissue with CIDE A antibody at 20 ug/mL.



Immunohistochemistry-Paraffin: CIDEA Antibody [NBP1-76950] - Mouse heart tissue with CIDE-A antibody at 5 ug/mL.



## Publications

Chan Yoon Park, Donguk Kim, Min Kyeong Seo, Jimin Kim, Han Choe, Jong-Hyeok Kim, Joon Pio Hong, Yeon Ji Lee, Yoonseok Heo, Hwa Jung Kim, Hye Soon Park, Yeon Jin Jang Dysregulation of Lipid Droplet Protein Expression in Adipose Tissues and Association with Metabolic Risk Factors in Adult Females with Obesity and Type 2 Diabetes. The Journal of nutrition 2023-03-21 [PMID: 36931749]

Jeenat Ferdous Urmi, Hiroaki Itoh, Keiko Muramatsu-Kato, Yukiko Kohmura-Kobayashi, Natsuyo Hariya, Divyanu Jain, Naoaki Tamura, Toshiyuki Uchida, Kazunao Suzuki, Yoshihiro Ogawa, Nobuaki Shiraki, Kazuki Mochizuki, Takeo Kubota, Naohiro Kanayama Plasticity of histone modifications around Cidea and Cidec genes with secondary bile in the amelioration of developmentally-programmed hepatic steatosis Scientific Reports 2019-11-19 [PMID: 31745102]

Wang CH, Liu HM, Chang ZY et al. Losartan Prevents Hepatic Steatosis and Macrophage Polarization by Inhibiting HIF-1? in a Murine Model of NAFLD International Journal of Molecular Sciences 2021-07-22 [PMID: 34360607]

Gao YP, Li L, Yan J et al. Down-Regulation of CIDEA Promoted Tumor Growth and Contributed to Cisplatin Resistance by Regulating the JNK-p21/Bad Signaling Pathways in Esophageal Squamous Cell Carcinoma Frontiers in Oncology 2021-02-03 [PMID: 33614508] (Western Blot, Block/Neutralize)

Liu H, Wang C, Chang Z Et al. Losartan Attenuates Insulin Resistance and Regulates Browning Phenomenon of White Adipose Tissue in ob/ob Mice Curr Issues Mol Biol 2021-12-10 [PMID: 34889901]

Son Y, Choi C, Song C et al. Development of CIDEA reporter mouse model and its application for screening thermogenic drugs Scientific reports 2021-09-16 [PMID: 34531447] (ICC/IF, Mouse)

Choi C, Son Y, Kim J Et Al. TM4SF5 knockout protects mice from diet-induced obesity partly by regulating autophagy in adipose tissue Diabetes 2021-06-29 [PMID: 34187836] (WB)

Irungbam K, Roderfeld M, Glimm H et al. Cholestasis impairs hepatic lipid storage via AMPK and CREB signaling in hepatitis B virus surface protein transgenic mice Lab. Invest. 2020-07-01 [PMID: 32612285] (IF/IHC, Mouse)

Mohamedi Y, Fontanil T, Cobo T et al. The Differential Expression of Cide Family Members is Associated with Nafld Progression from Steatosis to Steatohepatitis Sci Rep 2019-05-16 [PMID: 31097771] (WB, Mouse)

Hu, W;Ru, Z;Zhou, Y;Xiao, W;Sun, R;Zhang, S;Gao, Y;Li, X;Zhang, X;Yang, H; Lung cancer-derived extracellular vesicles induced myotube atrophy and adipocyte lipolysis via the extracellular IL-6-mediated STAT3 pathway Biochim Biophys Acta Mol Cell Biol Lipids 2019-04-17 [PMID: 31002945] (WB, Mouse)

Rohm M, Schafer M, Laurent V et al. An AMP-activated protein kinase-stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. Nat. Med. 2016-08-29 [PMID: 27571348] (WB)





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### **Products Related to NBP1-76950**

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NBP1-76950PEP	CIDEA Antibody Blocking Peptide
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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