

# Product Datasheet

## Niemann-Pick C1 Antibody (4H2) - Azide and BSA Free H00004864-M02

Unit Size: 0.1 mg

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

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### Publications: 6

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Updated 2/21/2025 v.20.1

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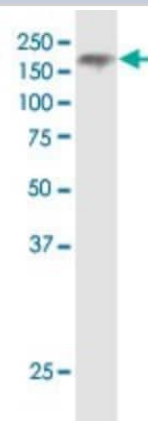


**H00004864-M02****Niemann-Pick C1 Antibody (4H2) - Azide and BSA Free**

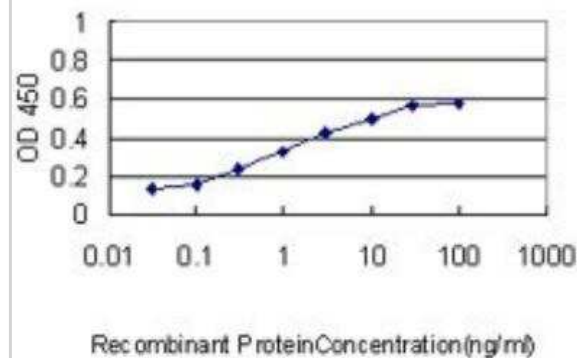
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4H2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	4864
<b>Gene Symbol</b>	NPC1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	NPC1 - Niemann-Pick disease, type C1
<b>Immunogen</b>	NPC1 (AAH63302, 151 a.a. ~ 250 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GFANAMYNACRDVEAPSSNDKALGLLGGKDADACNATNWIEYMFNKDNGQAP FTITPVFSDFPVHGMPEMNNATKGCDESVDVTAPCSCQDCSIVCGPK
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

## Images

Western Blot: Niemann-Pick C1 Antibody (4H2) [H00004864-M02] - NPC1 monoclonal antibody (M02), clone 4H2. Analysis of NPC1 expression in HeLa.



ELISA: Niemann-Pick C1 Antibody (4H2) [H00004864-M02] - Detection limit for recombinant GST tagged NPC1 is approximately 0.03ng/ml as a capture antibody.



## Publications

Erwood, S; Applying Precision Genome Editing Technologies to Variant Effect Interpretation Nat Biotechnol 2022-02-15 [PMID: 35165384]

Erwood S, Brewer RA, Bily TMI et al. Modelling Niemann-Pick disease type C in a human haploid cell line allows for patient variant characterization and clinical interpretation Genome Res 2019-11-23 [PMID: 31754021]

Erwood, S; Applying Precision Genome Editing Technologies to Variant Effect Interpretation Thesis

Erwood S, Brewer RA, Bily TMI et al. Modelling Niemann-Pick disease type C in a human haploid cell line allows for patient variant characterization and clinical interpretation bioRxiv

Lund RR, Leth-Larsen R, Caterino TD et al. NADH-cytochrome b5 reductase 3 promotes colonization and metastasis formation and is a prognostic marker of disease-free and overall survival in estrogen receptor-negative breast cancer. Mol Cell Proteomics. 2015-09-08 [PMID: 26351264]

Tang Y, Leao IC, Coleman EM et al. Deficiency of niemann-pick type C-1 protein impairs release of human immunodeficiency virus type 1 and results in Gag accumulation in late endosomal/lysosomal compartments. J Virol 2009-08-01 [PMID: 19474101]



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### **Products Related to H00004864-M02**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NB400-148PEP	Niemann-Pick C1 Antibody Blocking Peptide

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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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