

# Product Datasheet

## CD24 Antibody NBP1-46390

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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**NBP1-46390**

CD24 Antibody

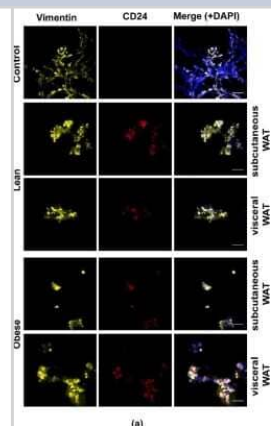
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	100133941
<b>Gene Symbol</b>	CD24
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 23301003).
<b>Immunogen</b>	A synthetic peptide from aa region 30-70 of human mature Signal transducer CD24 conjugated to blue carrier protein was used as the antigen.

Product Application Details	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Flow Cytometry, Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:500-1:1000
<b>Application Notes</b>	The optimal dilution should be determined by the end user. Not tested in other applications. ICC/IF was reported in scientific literature. Use in FLOW reported in scientific literature (PMID: 31040372).

**Images**

Immunocytochemistry/Immunofluorescence: CD24 Antibody [NBP1-46390] - Mouse WAT-CM induces the expression of CD24 in mesenchymal MDA-MB-231 cells but does not affect the expression of vimentin. Representative images of MDA-MB-231 cells cultured with or without lean or obese subcutaneous or visceral WAT-CM and co-stained for vimentin, CD24, and DAPI (a); scale bar = 100 uM. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32899433/>) licensed under a CC-BY license.



## Publications

Ilie DS, Mitroi G, P?un I et al. Pathological and immunohistochemical study of colon cancer. Evaluation of markers for colon cancer stem cells Romanian Journal of Morphology and Embryology 2021-10-10 [PMID: 34609414] (Immunohistochemistry)

Asante, E C, Pallegar, N K Et al. Adipose Tissue from Lean and Obese Mice Induces a Mesenchymal to Epithelial Transition-Like Effect in Triple Negative Breast Cancers Cells Grown in 3-Dimensional Culture. Int J Mol Sci 2020-09-03 [PMID: 32899433] (WB, Human)

Sun H, Yao N, Cheng S et al. Cancer stem-like cells directly participate in vasculogenic mimicry channels in triple-negative breast cancer Cancer Biol Med 2019-05-01 [PMID: 31516750] (IF/IHC, Human)

Barash U, Spyrou A, Liu P, Vlodaysky E et al. Heparanase promotes glioma progression via enhancing CD24 expression Int. J. Cancer 2019-04-29 [PMID: 31032901]

Ren G, Zheng X, et al. Reduced Basal Nitric Oxide Production Induces Precancerous Mammary Lesions via ERBB2 and TGF beta. Sci Rep 2019-04-30 [PMID: 31040372] (IF/IHC, FLOW, Human)

Pallegar NK, Garland CJ, Mahendralingam M et al. A Novel 3-Dimensional Co-culture Method Reveals a Partial Mesenchymal to Epithelial Transition in Breast Cancer Cells Induced by Adipocytes. J Mammary Gland Biol Neoplasia. 2018-11-24 [PMID: 30474817] (Human)

Choi Y, Kim HS, Cho KW et al. Noninvasive identification of viable cell populations in docetaxel-treated breast tumors using ferritin-based magnetic resonance imaging PLoS One 2013-01-01 [PMID: 23301003] (IF/IHC, ICC/IF, Mouse)





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### **Products Related to NBP1-46390**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-18205	Recombinant Mouse CD24 Fc Protein

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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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