

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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Publications: 7

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NBP1-46390

CD24 Antibody

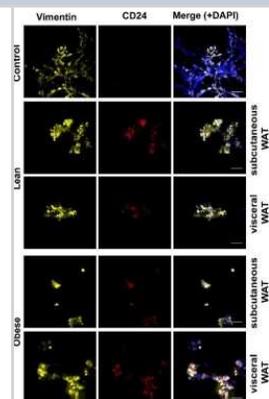
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	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.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

Product Description	
Description	Novus Biologicals Rabbit CD24 Antibody (NBP1-46390) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-CD24 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	100133941
Gene Symbol	CD24
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 23301003).
Immunogen	A synthetic peptide from aa region 30-70 of human mature Signal transducer CD24 conjugated to blue carrier protein was used as the antigen.

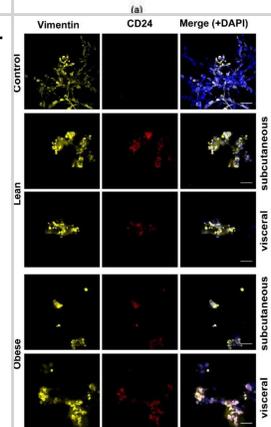
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry, Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	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

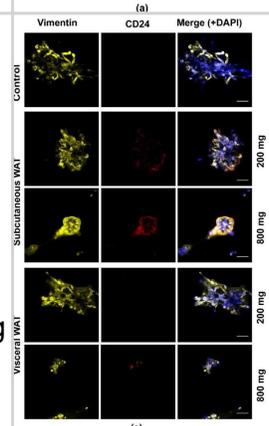
Immunocytochemistry/Immunofluorescence: CD24 Antibody [NBP1-46390] - Mouse WAT-CM induces the expression of CD24 in mesenchymal MDA-MB-231 cells but does not affect the expression of vimentin. Representative images of MDA-MB-231 cells cultured with or without lean or obese subcutaneous or visceral WAT-CM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



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 μ m. (b) and (c) are the relative expression of the respective markers, mean \pm SEM (n = 6 biological replicates). The average protein expression from five images per replicate were normalized to DAPI and analyzed relative to the control cultures. Significance was determined by Friedman's test. If significant, Dunn's test was used for further pairwise comparison; * p < 0.05. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32899433/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Effect of varied WAT masses from obese mice on vimentin and CD24 protein expression in MDA-MB-231 cells. (a) Representative images of MDA-MB-231 cells cultured with or without 200 mg or 800 mg of obese subcutaneous or visceral WAT-CM and co-stained with anti-vimentin, anti-CD24, and DAPI; scale bar = 100 μ m. (b) and (c) are the relative expression of the respective markers, mean \pm SEM (n = 6 biological replicates). The average protein expression from five images per replicate were normalized to DAPI and analyzed relative to the control cultures. No groups were found to be significantly different by the Friedman test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32899433/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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, Immunocytochemistry/ Immunofluorescence, Mouse)

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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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