Product Datasheet

CD44 Antibody (CD44v9/1459) - variant 9
NBP2-53204-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-53204-100ug

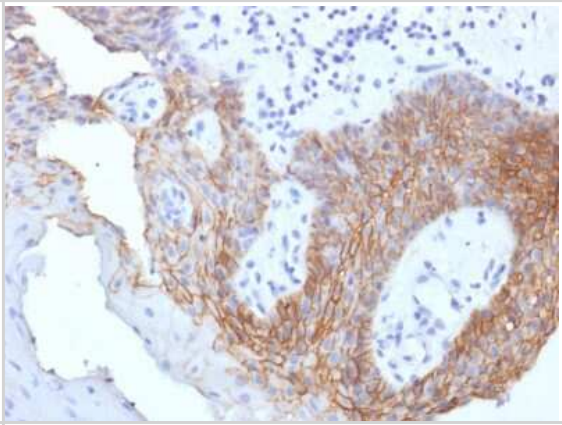
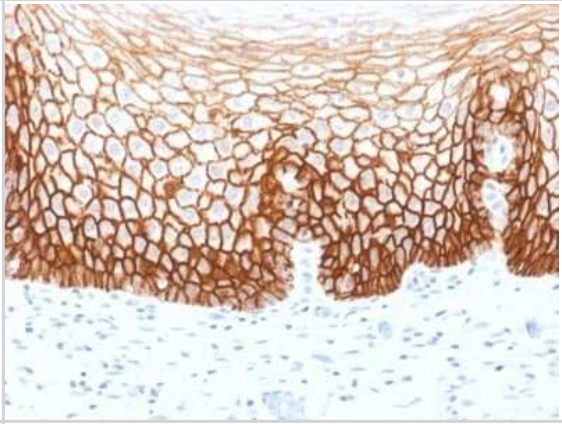
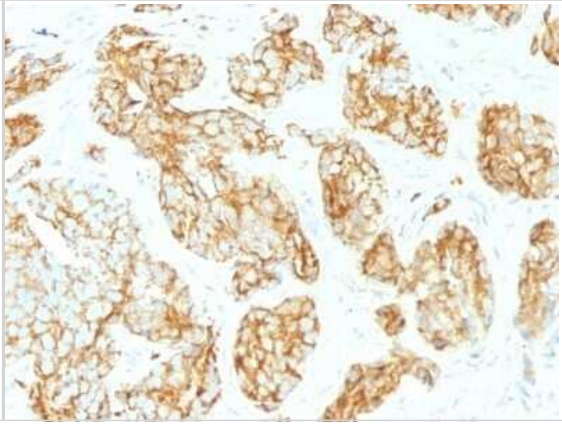
CD44 Antibody (CD44v9/1459) - variant 9

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CD44v9/1459
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54571) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	960
Gene Symbol	CD44
Species	Human
Marker	Marker of Tumor Metastasis
Specificity/Sensitivity	This antibody recognizes an epitope encoded by exon v9 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA.The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.
Immunogen	Recombinant fragment corresponding to the v9 domain of human CD44 (Uniprot: P16070)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Use in WB reported in scientific literature (PMID:34490820) Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes

Images

Immunohistochemistry-Paraffin: CD44 Antibody (CD44v9/1459) - variant 9 [NBP2-53204] - Formalin-fixed, paraffin-embedded human Tongue Carcinoma stained with CD44 Antibody (CD44v9/1459) - variant 9.	
Immunohistochemistry-Paraffin: CD44 Antibody (CD44v9/1459) - variant 9 [NBP2-53204] - Formalin-paraffin human Cervical Carcinoma stained with CD44 Monoclonal Antibody (CD44v9/1459)	
Immunohistochemistry-Paraffin: CD44 Antibody (CD44v9/1459) - variant 9 [NBP2-53204] - Formalin-paraffin human Prostate Carcinoma stained with CD44 Monoclonal Antibody (CD44v9/1459)	

Publications

Soon Sang Park, Young-Kyoung Lee, Yong Won Choi, Su Bin Lim, So Hyun Park, Han Ki Kim, Jun Sang Shin, Young Hwa Kim, Dong Hyun Lee, Jang-Hee Kim, Tae Jun Park Cellular senescence is associated with the spatial evolution toward a higher metastatic phenotype in colorectal cancer. Cell reports 2024-04-01 [PMID: 38446659]

Chang I, Ohn T, Moon D et al. SNU-333 Cells as an Appropriate Cell Line for the Orthotopic Renal Cell Carcinoma Model Technology in cancer research & treatment 2021-09-07 [PMID: 34490820] (WB, Human)

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Products Related to NBP2-53204-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-84578PEP	CD44 Recombinant Protein Antigen

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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