

Product Datasheet

dsDNA Antibody (rDSD/4565)

NBP3-07670-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07670-100ug

dsDNA Antibody (rDSD/4565)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	rDSD/4565
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA

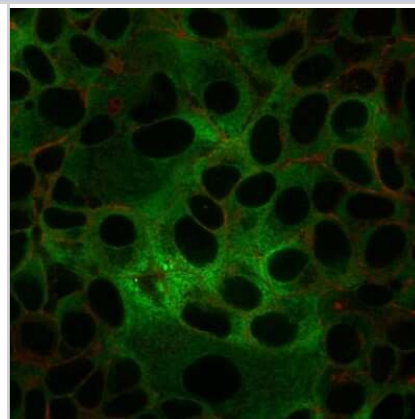
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08466) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Species	Human
Marker	Nuclear Marker
Specificity/Sensitivity	This monoclonal antibody is part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. This monoclonal antibody recognizes the double stranded DNA in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in human cells. This monoclonal antibody produces a homogeneous staining pattern in the nucleus of normal and malignant cells. Double Stranded deoxyribonucleic acid (ds DNA) is the genetic material of all cells and many viruses and is a polymer of nucleotides. The monomer consists of phosphorylated 2-deoxyribose N-glycosidically linked to one of four bases, adenine, cytosine, guanine or thymine. These are linked together by 3-phosphodiester bridges. In the Watson-Crick double-helix model, two complementary strands are wound in a right-handed helix and held together by hydrogen bonds between complementary base pairs.
Immunogen	Nuclei of Burkitt's cells

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	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. Optimal dilution for a specific application should be determined.

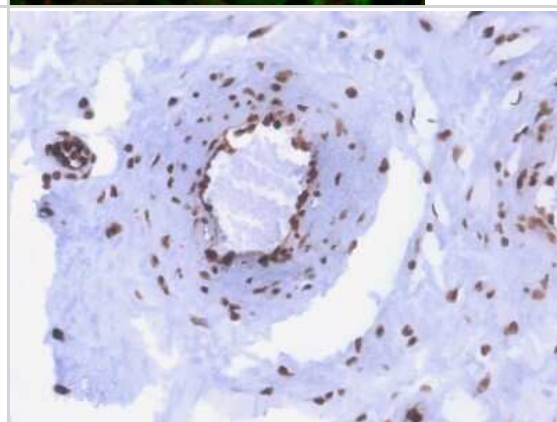


Images

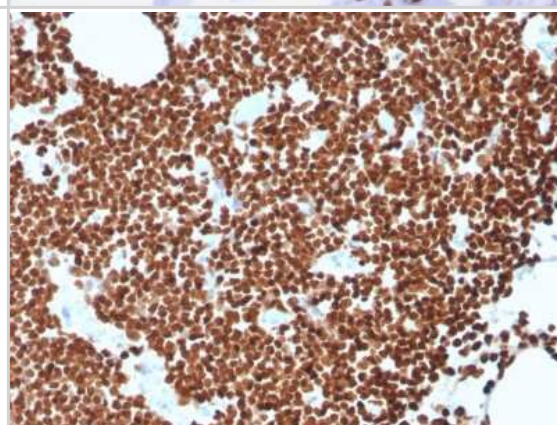
Immunocytochemistry/Immunofluorescence: dsDNA Antibody (rDSD/4565) [NBP3-07670] - Immunofluorescent staining of PFA-fixed MCF-7 cells with dsDNA Recombinant Mouse Monoclonal Antibody (rDSD/4565) followed by goat anti-rabbit IgG-CF488 (green); phalloidin counterstain (red).



Immunohistochemistry-Paraffin: dsDNA Antibody (rDSD/4565) [NBP3-07670] - Formalin-fixed, paraffin-embedded human colon stained with dsDNA Recombinant Mouse Monoclonal Antibody (rDSD/4565).



Immunohistochemistry-Paraffin: dsDNA Antibody (rDSD/4565) [NBP3-07670] - Formalin-fixed, paraffin-embedded human lymph node stained with dsDNA Recombinant Mouse Monoclonal Antibody (rDSD/4565).



Publications

Zhao X, Hu S, Zeng L et al. Irradiation combined with PD-L1-/- and autophagy inhibition enhances the antitumor effect of lung cancer via cGAS-STING mediated T cell activation iScience Jun 1 2022 12:00AM [PMID: 35847556] (ICC/IF, Mouse)



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Products Related to NBP3-07670-100ug

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)

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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