

Product Datasheet

dsDNA Antibody (DSD/4054R)

NBP3-07302-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07302-100ug

dsDNA Antibody (DSD/4054R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	DSD/4054R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA

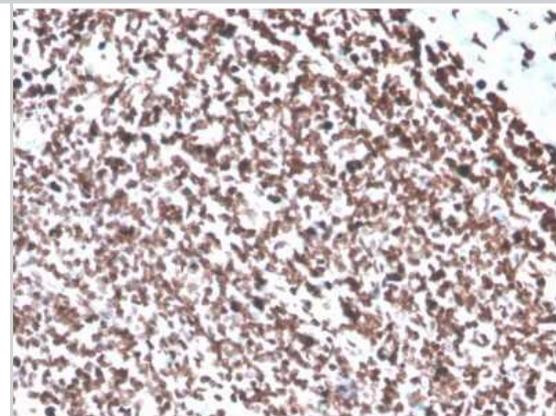
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate. Prepared in 10 mM PBS with 0.05% BSA % 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml.(NBP3-08490) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Rabbit
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	Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Simple Western, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, 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.

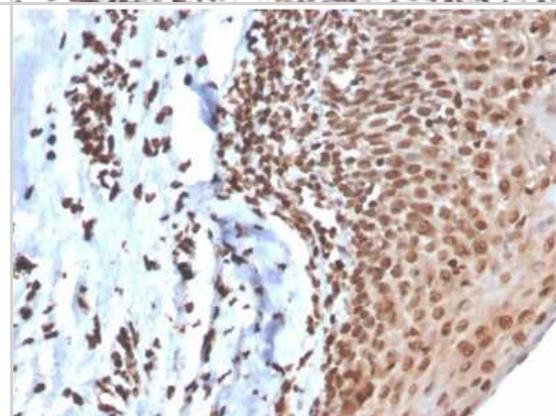


Images

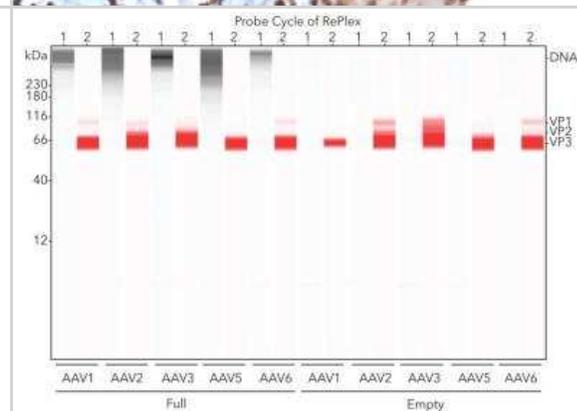
Immunohistochemistry-Paraffin: dsDNA Antibody (DSD/4054R) [NBP3-07302] - Formalin-fixed, paraffin-embedded human colon carcinoma stained with dsDNA Recombinant Rabbit Monoclonal Antibody (DSD/4054R).



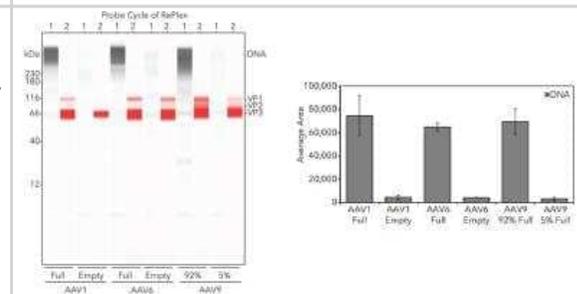
Immunohistochemistry-Paraffin: dsDNA Antibody (DSD/4054R) [NBP3-07302] - Formalin-fixed, paraffin-embedded human tonsil stained with dsDNA Recombinant Rabbit Monoclonal Antibody (DSD/4054R).



Simple Western: dsDNA Antibody (DSD/4054R) [NBP3-07302] - Lane view of AAV samples probed with NBP3-07302 in Probe 1 of RePlex with chemiluminescence detection and the anti-VP1/2/3 antibody in Probe 2 of RePlex with NIR detection



Simple Western: dsDNA Antibody (DSD/4054R) [NBP3-07302] - Lane view of AAV9 samples probed with the anti-DNA antibody in Probe 1 of RePlex with chemiluminescence detection and the anti-VP1/2/3 antibody in Probe 2 of RePlex with NIR detection (left). Average peak areas of DNA detection were plotted from each serotype with error bars representing the standard deviations from the means (n=9) (right).



Publications

Zhao D, Gao Y, Su Y et al. Oroxylin A regulates cGAS DNA hypermethylation induced by methionine metabolism to promote HSC senescence *Pharmacological Research* 2022-12-01 [PMID: 36464146] (ICC/IF)

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Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-07302-100ug

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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