

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone 121-3]
Catalog # AH12900

Specification

**Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide -
Product Information**

Application	,3,4,8,
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG3, kappa
Calculated MW	Not Known KDa

**Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide -
Additional Information**

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

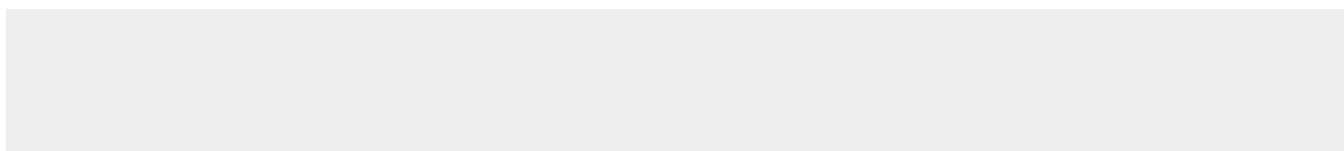
**Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide - Protein
Information**

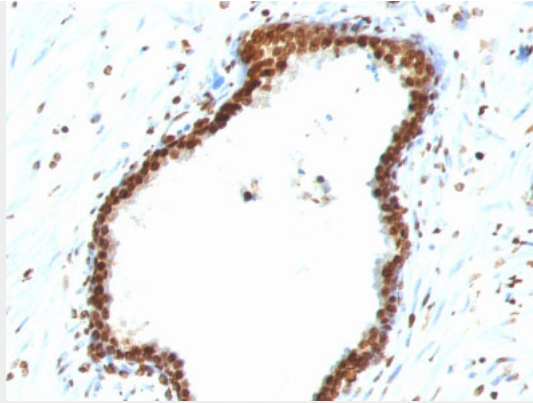
**Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide -
Protocols**

Provided below are standard protocols that you may find useful for product applications.

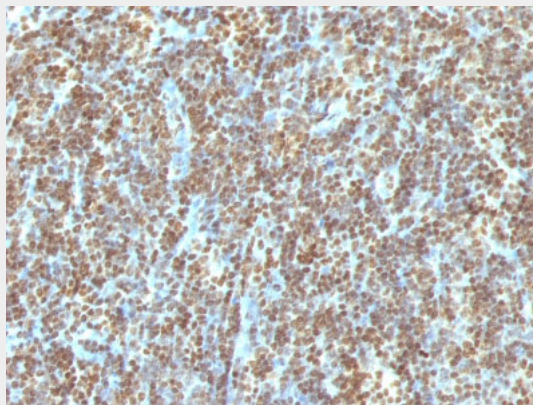
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide - Images





Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Double Stranded DNA Monoclonal Antibody (121-3)



Formalin-fixed, paraffin-embedded human Tonsil stained with Double Stranded DNA Monoclonal Antibody (121-3)

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide - Background

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 MAb 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 MAb produces a homogeneous staining pattern in the nucleus of normal and malignant cells. Deoxyribonucleic acid (DNA) is a long polymer of nucleotides that is held together by a backbone made of sugars and phosphate groups. It holds the genetic instructions for the development and function of living things. DNA is crucial for living organisms, and all known cellular life and some viruses contain DNA. In eukaryotes, DNA exists in the cell nucleus, while in prokaryotes; DNA is located in the cytoplasm. In living organisms, DNA does not usually exist as a single molecule, but instead as a tightly associated pair of molecules in the shape of a right-handed double helix. Hydrogen bonds as well as forces generated by the hydrophobic effect and pi stacking hold the two DNA strands together. During replication and transcription, portions of the helix unwind and become single stranded. Protective proteins surround these single-stranded DNA. Double stranded (ds) DNA markers are useful tools in biology research and aid in the study of DNA behavior and characteristics.

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide - References

Epstein, A.L. and Clevenger, C.V., Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immuno-biochemical methods using

monoclonal antibodies. In Progress on nonhistone protein research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp 117-137