

Mouse Nuclear Antigen Monoclonal Antibody

Nuclear Antigen (Pan-Nuclear Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13844	Mouse	Human, Mouse, Rat.Does not react with Pig	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Nuclear Antigen; Monoclonal Antibody; Nuclear Antigen (Pan-Nuclear Marker) Mouse Monoclonal Antibody; anti-Nuclear Antigen antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat. Does not react with Pig
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	NM106
Specificity	This MAb is an excellent marker for all nuclei in cells in tissues. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. This MAb recognizes an antigen associated with the nuclei in all cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in subcellular fractions. It produces a speckled pattern in normal and malignant cells and may be used to stain the nuclei of cells in fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	243
Applicable Applications for anti-Nuclear Antigen antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry (1-2ug/million cells in 0.1ml) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-paraffin) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)
Cellular Localization	Nuclei
Immunogen	Nuclei of HL60 cells
Positive Control	All human cells. Tonsil
Preparation and Storage	Store at 2 to 8 degree C. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)

Immunofluorescentstaining of PFA-fixedHeLa cells with Pan-Nuclear Antigen Monoclonal Antibody (AAA13844) followed by goat anti-mouse IgG-CF488 (green). Membranes labeled with phalloidin (red).



SDS-PAGE

SDS-PAGE Analysis Purified Pan-Nuclear Antigen Monoclonal Antibody (AAA13844). Confirmation of Purity and Integrity of Antibody.



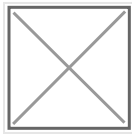
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Rat Lung stained with Pan-Nuclear Ag Monoclonal Antibody (AAA13844).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Rat Colon stained with Pan-Nuclear Ag Monoclonal Antibody (AAA13844).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Pan-Nuclear Ag Monoclonal Antibody (AAA13844).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Pan-Nuclear Ag Monoclonal Antibody (AAA13844).

ADDITIONAL INFORMATION

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.Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's diseaseParthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's diseaseParthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's diseases
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149391483
NCBI Official Full Name	nuclear antigen, partial
UniProt Protein Name	Nuclear antigen
UniProt Entry Name	A6N0I9_ORYSI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nuclear-antigen-antibody-clone-nm106-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/13844>