

Monoclonal Antibody to Human Nuclear Mitotic Apparatus Protein (NuMA)

Catalog No.:	BM645S
Quantity:	0.5 ml
Concentration:	0.3 mg/ml
Host / Isotype:	Mouse / IgM
Clone:	A73-B/D12
Immunogen:	Live Ls 174T cells (colon carcinoma).
Applications:	Immunohistochemistry on frozen and paraffin embedded sections: 1/50 - 1/100. For paraffin sections high temp. antigen demasker, 10mM citrate, pH 6.0, is required. This antibody can be used on frozen and formalin tissue sections. Formalin-fixed paraffin-embedded tissue sections require, boiling the tissue in 10 mM citrate buffer, pH 6.0 for 10-20 mins. followed by cooling to Rt for 10-20 mins. This step is done prior to antibody. The antibody may be used at a dilution of 1:50-1:100 with AutoProbe III (Cat. No. 08-803). Western Blot: 1/100 - 1/300. Recommended positive control: Tonsil, Thymus, Spleen. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with an intracellular 228 kD protein found in the nucleus during interphase. Mol. Wt. of Antigen: 228 kD
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch. Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. Dilute according to the particular application being used. In general, the 0.05M Borate pH 8.0 containing 0.15M Sodium Chloride, 0.05% Sodium Azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.
General Readings:	<ol style="list-style-type: none">1. Compton DA, Szilak I, Cleveland DW. Primary structure of NuMA, an intranuclear protein that defines a novel pathway for segregation of proteins at mitosis. J Cell Biol. 1992 Mar;116(6):1395-408. PubMed PMID: 1541636.2. Butschak G, Harborth J, Osborn M, Karsten U. New monoclonal antibodies recognizing phosphorylated proteins in mitotic cells. Acta Histochem. 1995 Jan;97(1):19-31. PubMed PMID: 7771183.3. Gueth-Hallonet, C. et al, Cleavage of the nuclear matrix protein NuMA during

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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