

# NuMA Antibody- sodium azide free

Catalog No: tcna677saf



## Available Sizes

**Size:** 100ug



## Specifications

**Application:**

WB, IF, IHC-P

**Species Reactivity:**

Human. Other species not tested.

**Host Species:**

Mouse

**Immunogen / Amino acids:**

Colon carcinoma 174T cells were used as the immunogen for the NuMA antibody.

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

A73-B/D12

**Isotype:**

Mouse IgM, kappa

**Form:**

Liquid

**Storage Buffer:**

1 mg/ml in 1X PBS; BSA free, sodium azide free

### Recommended Dilution:

Western blot: 1-2ug/ml

Immunofluorescence: 0.5-1ug/ml

Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1)Optimal dilution of the NuMA antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA pH 9.0 for 10-20 min followed by cooling at RT for 20 min.

### Storage Instruction:

Store the NuMA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

### SwissProt:

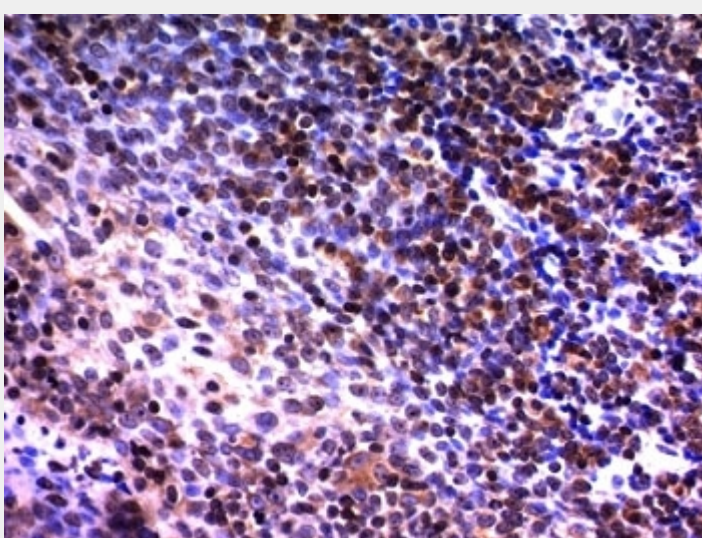
Q14980

## References

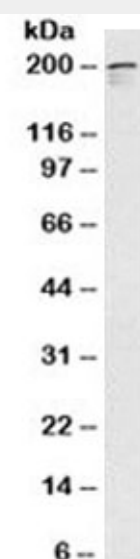
PEG precipitation

## Product Description

Recognizes a phosphorylated protein of 228kDa, identified as nuclear mitotic apparatus protein (NuMA). Its epitope is resistant to phosphatases. NuMA is intra-nuclear protein and present in nucleus during interphase. At the onset of mitosis, it redistributes from the nucleus to two centrosomal structures that later will become part of the mitotic spindle pole. After anaphase, the protein redistributes from the spindle polar region into reforming nucleus. NuMA is an essential protein during mitosis for the terminal phases of chromosome separation and/or nuclear reassembly. Recently a study shows that NuMA is cleaved to a 180 to 200kDa during apoptosis. Chromosomal translocation of this gene with the RARA (retinoic acid receptor, alpha) gene on chromosome 17 has been detected in patients with acute promyelocytic leukemia.



Formalin-fixed, paraffin-embedded human tonsil stained with NuMA antibody (A73-B/D12)



Western blot testing of MOLT-4 cell lysate (nuclear fraction) with NuMA antibody (clone A73-B/D12).

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!