

Datasheet for ABIN968039

anti-NUMA1 antibody (AA 10-189)

4 Images

4 Publications

[Go to Product page](#)

Overview

Quantity:	150 µg
Target:	NUMA1
Binding Specificity:	AA 10-189
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NUMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human NuMA aa. 10-189
Clone:	22-NuMA
Isotype:	IgM
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chicken, Dog (Canine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Please refer to us for technical protocols.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	NUMA1
Alternative Name:	NuMA (NUMA1 Products)
Background:	NuMA (Nuclear Mitotic Apparatus protein) is a 2115 amino acid protein with a coiled-coil structure similar to that of myosins and intermediate filaments. Indirect immunofluorescence assays indicate that NuMA's localization is very dynamic. During interphase, NuMA is in the nucleus and during mitosis it moves to the polar regions of the mitotic spindle. NuMA is a very abundant phosphoprotein and antibodies to this protein are often found in patients with autoimmune diseases. Although NuMA is thought to be a structural component of the nucleus, the precise cellular function for this protein is still unknown.
Molecular Weight:	238-290 kDa
Pathways:	Caspase Cascade in Apoptosis , Regulation of Actin Filament Polymerization , M Phase

Application Details

Comment:	Related Products: ABIN968535, ABIN967389
Restrictions:	For Research Use only

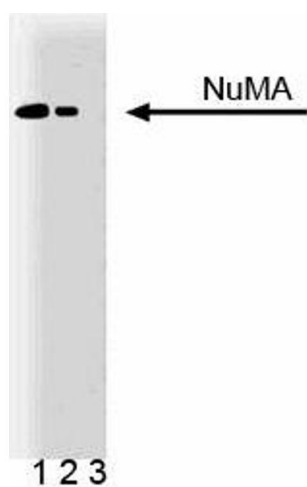
Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

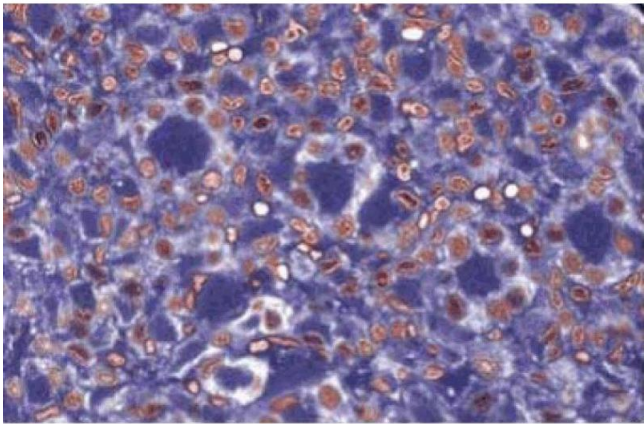
- Product cited in: Elbi, Misteli, Hager: "Recruitment of dioxin receptor to active transcription sites." in: **Molecular biology of the cell**, Vol. 13, Issue 6, pp. 2001-15, (2002) ([PubMed](#)).
- Munnia, Schütz, Romeike, Maldener, Glass, Maas, Nastainczyk, Feiden, Fischer, Meese: "Expression, cellular distribution and protein binding of the glioma amplified sequence (GAS41), a highly conserved putative transcription factor." in: **Oncogene**, Vol. 20, Issue 35, pp. 4853-63, (2001) ([PubMed](#)).
- Steen, Cubizolles, Le Guellec, Collas: "A kinase-anchoring protein (AKAP)95 recruits human chromosome-associated protein (hCAP)-D2/Eg7 for chromosome condensation in mitotic extract." in: **The Journal of cell biology**, Vol. 149, Issue 3, pp. 531-6, (2000) ([PubMed](#)).
- Yang, Lambie, Snyder: "NuMA: an unusually long coiled-coil related protein in the mammalian nucleus." in: **The Journal of cell biology**, Vol. 116, Issue 6, pp. 1303-17, (1992) ([PubMed](#)).

Images



Western Blotting

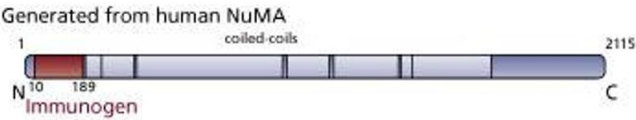
Image 1. Western blot analysis of NuMA on a HeLa cell lysate (Human cervical epitheloid carcinoma, ATCC CCL-2). Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti- NuMA antibody. NuMA has been reported to have a calculated molecular weight of 238 kDa, but may be observed to be migrating in a range between 238-290 kDa in HeLa whole cell extracts.



Immunohistochemistry

Image 2. Immunofluorescence staining for NuMA in rabbit kidney.

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968039.