# antibodies -online.com







## anti-NUMA1 antibody (AA 627-870)





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Overview	
Quantity:	100 μg
Target:	NUMA1
Binding Specificity:	AA 627-870
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant Human Nuclear mitotic apparatus protein 1 protein (627-870AA)
Isotype:	IgG

Immunogen:	Recombinant Human Nuclear mitotic apparatus protein 1 protein (627-870AA)		
Isotype:	IgG		
Cross-Reactivity:	Human		
Purification:	>95%, Protein G purified		

### Target Details

Target:	NUMA1
Alternative Name:	NUMA1 (NUMA1 Products)
Background:	Background: Highly abundant component of the nuclear matrix where it may serve a non-mitotic structural role, occupies the majority if the nuclear volume (PubMed:10075938).

Required for maintenance and establishment of the mitotic spindle poles during symmetric cell divisions, functioning as a tether linking bulk microtubules of the spindle to centrosomes (PubMed:7769006, PubMed:11956313, PubMed:26195665). Also required for proper alignment of the mitotic spindle during asymmetric cell divisions (PubMed:21816348).

Aliases: Centrophillin stabilizes mitotic spindle in mitotic cells antibody, NMP 22 antibody, Nuclear matrix protein 22 antibody, Nuclear mitotic apparatus protein 1 antibody, Nuclear mitotic apparatus protein antibody, NUMA 1 antibody, NUMA antibody, NUMA protein antibody, NUMA1 antibody, NUMA1\_HUMAN antibody, SP H antigen antibody, SP-H antigen antibody, Structural nuclear protein antibody

UniProt: Q14980

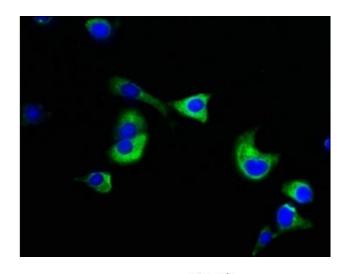
Pathways: Caspase Cascade in Apoptosis, Regulation of Actin Filament Polymerization, M Phase

#### **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

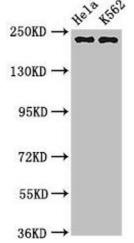
#### Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



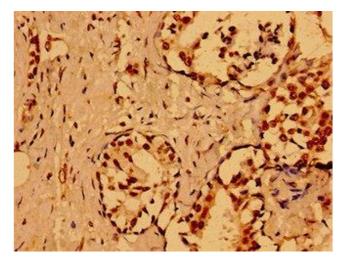
#### **Immunofluorescence**

**Image 1.** Immunofluorescence staining of MCF-7 cells with ABIN7161807 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: Hela whole cell lysate, K562 whole cell lysate All lanes: NUMA1 antibody at 3.2 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 239, 237, 202, 201, 110 kDa Observed band size: 239 kDa



#### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7161807 at dilution of 1:100

Please check the product details page for more images. Overall 4 images are available for ABIN7161807.