

Rabbit anti-Human NUMA Polyclonal Antibody | anti-NUMA antibody

Rabbit anti-NUMA Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211509	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

NUMA; Polyclonal Antibody; Rabbit anti-NUMA Antibody; Affinity Purified; nuclear mitotic apparatus protein 1; NuMA protein; structural nuclear protein; nuclear matrix protein-22; NMP-22; centrophilin stabilizes mitotic spindle in mitotic cells; SP-H antigen; Nuclear mitotic apparatus protein; Nuclear mitotic apparatus protein 1; anti-NUMA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-NUMA antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 925 and 975
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human NUMA by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-NUMA antibody AAA211509 used for WB at 0.04 ug/ml (A) and 0.1 ug/ml (B) and used for IP at 3 ug/mg lysate. NUMA was also immunoprecipitated by rabbit anti-NUMA antibody which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 seconds (A and B).



IHC (Immunohistochemistry)

Detection of human NUMA by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-NUMA (Cat. No. AAA211509 Lot1) used at a dilution of 1:400 (0.5ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight 594 Conjugated used at a dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-NUMA antibody

The nuclear mitotic apparatus protein (NuMA) is a critical component of the mitotic spindle that is responsible for organizing minus-ends of microtubules at spindle poles. NUMA is regulated by phosphorylation and associates with dynein and dynactin in its phosphorylated form. Dephosphorylation of NUMA in anaphase results in the release from dynein and dynactin to allow spindle disassembly. NUMA, in association with dynein and dynactin, also interacts with 4.1R in a complex of spindle pole organizing proteins. Other NUMA interacting proteins include GAS41, tankyrase, and Rae1. These interactions indicate a broader role for NUMA function in the nucleus.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71361682
NCBI GeneID	4926
NCBI Accession #	NP_006176.2
NCBI GenBank Nucleotide #	NM_006185.2
UniProt Accession #	Q14980; Q14981; H0YH75
Molecular Weight	238,260 Da
NCBI Official Full Name	nuclear mitotic apparatus protein 1
NCBI Official Synonym Full Names	nuclear mitotic apparatus protein 1
NCBI Official Symbol	NUMA1
NCBI Official Synonym Symbols	NUMA
NCBI Protein Information	nuclear mitotic apparatus protein 1; SP-H antigen; structural nuclear protein; centrophilin stabilizes mitotic spindle in mitotic cells
UniProt Protein Name	Nuclear mitotic apparatus protein 1
UniProt Gene Name	NUMA1
UniProt Synonym Gene Names	NUMA; NuMA protein
UniProt Entry Name	NUMA1_HUMAN

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/polyclonal/numa-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211509>