

## NUMA1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:200 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:** 133kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human NUMA1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

NUMA

**Catalog #:** A0527

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 4926

**Isotype:** IgG

**Swiss Prot:** Q14980

**Purity:** Affinity purification

For research use only.

**Background:**

The nuclear mitotic apparatus protein (NuMA) is a coiled coil protein involved in the formation and maintenance of the mitotic spindle. NuMA plays a role in chromatin organization during interphase, which influences mammary epithelial differentiation (1,2). During apoptosis, carboxy-terminal cleavage of NuMA may amplify signaling in the cell death pathway (2). NuMA is phosphorylated at numerous sites, with phosphorylation at Ser395 occurring in an ATM/ATR-dependent manner in response to DNA damage (3,4).

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