Affinity Biosciences
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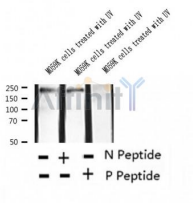
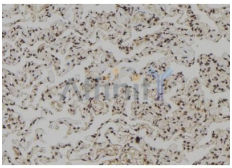
Phospho-NuMA (Ser395) Ab

Cat.#: AF2373	Concn.: 1mg/ml	Mol.Wt.: 238kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-NuMA (Ser395) Ab detects endogenous levels of NuMA.
Immunogen:	A synthesized peptide derived from human NuMA around the phosphorylation site of Ser395.
Uniprot:	Q14980
Subcellular Location:	Nucleus. Chromosome. Dissociates from condensing chromosomes during early prophase, before the complete disintegration of the nuclear lamina. As mitosis progresses it reassociates with telophase chromosomes very early during nuclear reformation, before substantial accumulation of lamins on chromosomal surfaces is evident.
Similarity:	The C-terminal tubulin-binding domain mediates direct binding to microtubules, independently of dynein-dynactin complex, and induces their bundling and stabilization (PubMed:11956313). The 4.1-binding domain is necessary for its cortical stability and spindle orientation (PubMed:24109598).
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts of M059K cells treated with UV, using Phospho-NuMA (Ser395) Ab.



AF2373 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.