

## TOPBP1 rabbit pAb

<b>Catalog No.</b>	IPB14394
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Dilution</b>	WB: 1:500-2000
<b>Gene Name</b>	TOPBP1 KIAA0259
<b>Protein Name</b>	TOPBP1
<b>Human Gene Id</b>	11073
<b>Swiss-Prot</b>	Q92547
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.33% sodium azide
<b>Source</b>	Rabbit
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen
<b>Concentration</b>	1 mg/ml
<b>Storage&amp;Stability</b>	-20°C/1 year
<b>Subcellular Location</b>	Nucleus Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasm, cytoskeleton, spindle pole Chromosome Detected on unpaired autosomes in meiotic prophase cells Detected on X and Y chromosomes during later stages of prophase Colocalizes with ATR and H2AX at unsynapsed chromosome cores during prophase (By similarity) Has a uniform nuclear distribution during G phase Colocalizes with BRCA1 at stalled replication forks during S phase In mitotic cells it colocalizes with BRCA1 at spindle poles and centrosomes during metaphase and anaphase Detected in discrete foci together with PML and numerous DNA repair enzymes after DNA damage by alkylating agents, UV or gamma irradiation Localizes to sites of DNA damage in a H2AX- independent manner
<b>MW</b>	167420
<b>Background</b>	This gene encodes a binding protein which interacts with the C-terminal region of topoisomerase II beta This interaction suggests a supportive role for this protein in the catalytic reactions of topoisomerase II beta through transient breakages of DNA strands

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