ELK Biotechnology

MAD1 (phospho Ser428) rabbit pAb

Cat No.:ES7711

For research use only

Overview

Product Name	MAD1 (phospho Ser428) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MAD1 around the phosphorylation site of Ser428. AA range:394-443
Specificity	Phospho-MAD1 (S428) Polyclonal Antibody detects endogenous levels of MAD1 protein only when phosphorylated at S428.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mitotic spindle assembly checkpoint protein MAD1
Gene Name	MAD1L1
Cellular localization	Nucleus . Chromosome, centromere, kinetochore . Nucleus envelope . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . Co-localizes with TPR at the nucleus envelop
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	8379
Human Swiss-Prot Number	Q9Y6D9
Alternative Names	MAD1L1; MAD1; TXBP181; Mitotic spindle assembly checkpoint protein MAD1; Mitotic arrest deficient

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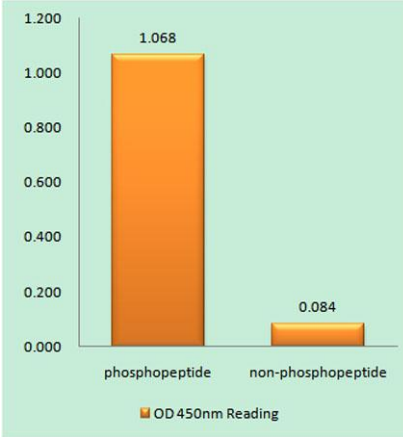
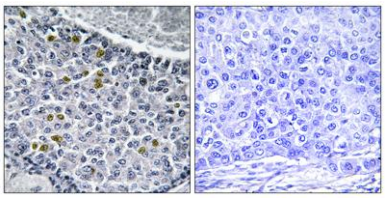
1-like protein 1; MAD1-like protein 1; Mitotic checkpoint MAD1 protein homolog; HsMAD1; hMAD1; Tax-binding protein 181

Background

MAD1L1 is a component of the mitotic spindle-assembly checkpoint that prevents the onset of anaphase until all chromosome are properly aligned at the metaphase plate. MAD1L1 functions as a homodimer and interacts with MAD2L1. MAD1L1 may play a role in cell cycle control and tumor suppression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MAD1 (Phospho-Ser428) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MAD1 (Phospho-Ser428) Antibody. The picture on the right is blocked with the phospho peptide.

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