

**MAD1 (phospho Ser428) rabbit pAb****Cat#: orb770586 (Manual)**

For research use only. Not intended for diagnostic use.

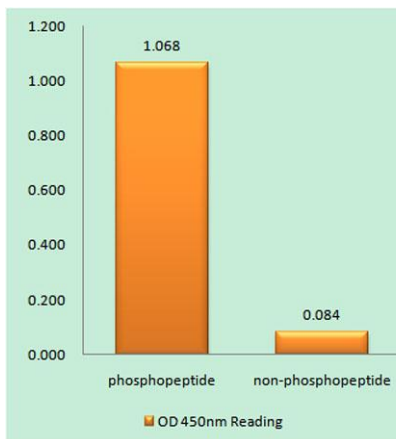
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|---------------------------------|---|
| <b>Product Name</b>             | MAD1 (phospho Ser428) rabbit pAb  |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;  |
| <b>Recommended dilutions</b>    | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human MAD1 around the phosphorylation site of Ser428. AA range:394-443  |
| <b>Specificity</b>              | Phospho-MAD1 (S428) Polyclonal Antibody detects endogenous levels of MAD1 protein only when phosphorylated at S428.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Mitotic spindle assembly checkpoint protein MAD1  |
| <b>Gene Name</b>                | MAD1L1  |
| <b>Cellular localization</b>    | 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 |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |

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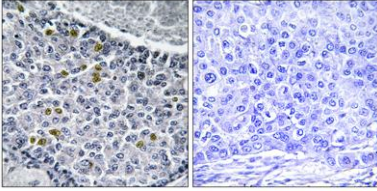
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|--------------------------------|--|
| <b>Clonality</b>               | Polyclonal   |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Observed band</b>           |  |
| <b>Human Gene ID</b>           | 8379   |
| <b>Human Swiss-Prot Number</b> | Q9Y6D9   |
| <b>Alternative Names</b>       | MAD1L1; MAD1; TXBP181; Mitotic spindle assembly checkpoint protein MAD1; Mitotic arrest deficient 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.**