ARG45422
anti-MAD1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MAD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAD1
Species	Human
Immunogen	Recombinant protein containing to human MAD1.
Conjugation	Un-conjugated
Alternate Names	MAD1L1; Mitotic spindle assembly checkpoint protein MAD1; Tax-binding protein 181; MAD1-like protein 1; MAD1; Mitotic checkpoint MAD1 protein homolog; hMAD1; HsMAD1; TP53I9; PIG9; TXBP181; Mitotic arrest deficient 1-like protein 1

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	2 µg/ml
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 83 kDa

Properties

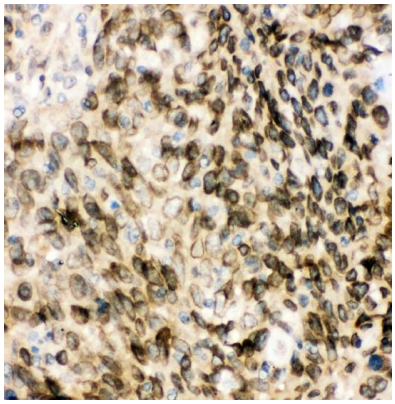
Form	Liquid
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

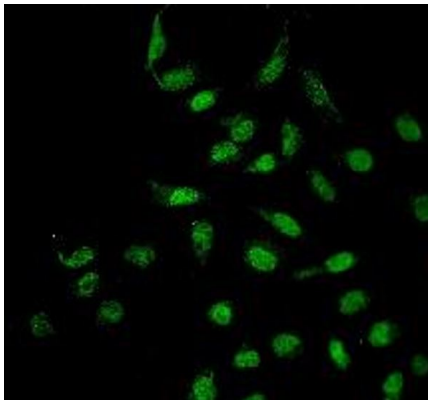
Gene Symbol	MAD1L1
Gene Full Name	MAD1 mitotic arrest deficient-like 1 (yeast)
Background	MAD1L1 is a component of the mitotic spindle-assembly checkpoint that prevents the onset of anaphase until all chromosome are properly aligned at the metaphase plate. MAD1L1 functions as a homodimer and interacts 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]
Function	Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. May recruit MAD2L1 to unattached kinetochores. Has a role in the correct positioning of the septum. Required for anchoring MAD2L1 to the nuclear periphery. Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding. [UniProt]. [UniProt]
Calculated Mw	83 kDa
PTM	Phosphorylated; by BUB1. Become hyperphosphorylated in late S through M phases or after mitotic spindle damage. [UniProt]. [UniProt]. [UniProt]
Cellular Localization	Chromosome; Cytoplasm; Nucleus; centromere; centrosome; cytoskeleton; kinetochore; microtubule organizing center; spindle. [UniProt]. [UniProt]

Images



ARG45422 anti-MAD1 antibody IHC-P image

Immunohistochemistry: Human intestinal cancer stained with ARG45422 anti-MAD1 antibody at 1 µg/ml dilution.

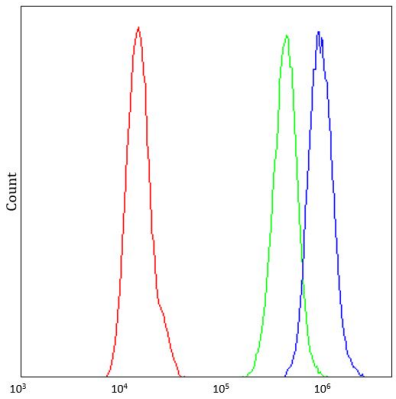


ARG45422 anti-MAD1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45422 anti-MAD1 antibody at 5 µg/ml dilution.

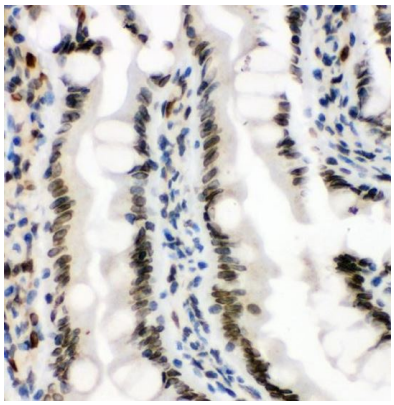
ARG45422 anti-MAD1 antibody WB image

Western blot: THP-1 and Caco-2 stained with ARG45422 anti-MAD1 antibody at 0.5 µg/ml dilution.



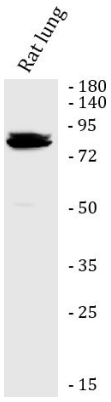
ARG45422 anti-MAD1 antibody FACS image

Flow Cytometry: A431 stained with ARG45422 anti-MAD1 antibody at 1 µg/10^6 cells dilution.



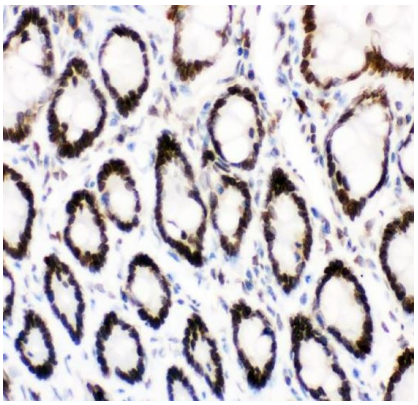
ARG45422 anti-MAD1 antibody IHC-P image

Immunohistochemistry: Rat intestine stained with ARG45422 anti-MAD1 antibody at 1 µg/ml dilution.



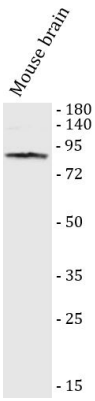
ARG45422 anti-MAD1 antibody WB image

Western blot: Rat lung stained with ARG45422 anti-MAD1 antibody at 0.5 µg/ml dilution.



ARG45422 anti-MAD1 antibody IHC-P image

Immunohistochemistry: Mouse intestine stained with ARG45422 anti-MAD1 antibody at 1 µg/ml dilution.



ARG45422 anti-MAD1 antibody WB image

Western blot: Mouse brain stained with ARG45422 anti-MAD1 antibody at 0.5 µg/ml dilution.