Datasheet for ABIN3043387

anti-MAD1L1 antibody (AA 362-632)

3 Images

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Overview

Quantity:	100 µg
Target:	MAD1L1
Binding Specificity:	AA 362-632
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Mitotic spindle assembly checkpoint protein MAD1(MAD1L1) detection. Tested with WB, IHC-P in Human,Mouse,Rat
Immunogen:	E.coli-derived human MAD1 recombinant protein (Position: L362-A632). Human MAD1 shares 81% amino acid (aa) sequence identity with mouse MAD1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Mitotic spindle assembly checkpoint protein MAD1(MAD1L1) detection. Tested with WB, IHC-P in Human,Mouse,Rat Gene Name: MAD1 mitotic arrest deficient-like 1 (yeast) Protein Name: Mitotic spindle assembly checkpoint protein MAD1
Purification:	Immunogen affinity purified.

Target Details

Target:	MAD1L1
Alternative Name:	MAD1L1 (MAD1L1 Products)
Background:	Mitotic spindle assembly checkpoint protein MAD1 is a protein that in humans is encoded by the MAD1L1 gene. It is mapped to 7p22.3. 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 can function as a homodimer. It localizes to the centrosome during metaphase and to the spindle midzone and the midbody during anaphase and telophase. MAD1L1 may also play a role in cell cycle control and tumor suppression. Synonyms: hMAD1 antibody|HsMAD1 antibody|MAD1 antibody|MAD1 mitotic arrest deficient like 1 (yeast) antibody|MAD1-like protein 1 antibody|MAD1L1 antibody|MD1L1_HUMAN antibody|Mitotic arrest deficient 1 antibody|Mitotic arrest deficient 1-like protein 1 antibody|Mitotic checkpoint MAD1 protein homolog antibody|Mitotic spindle assembly checkpoint protein MAD1 antibody|PIG9 antibody|Tax binding protein 181 antibody|Tax-binding protein 181 antibody|TP53I9 antibody|Tumor protein p53 inducible protein 9 antibody|TXBP181 antibody
Gene ID:	8379
UniProt:	Q9Y6D9
Pathways:	M Phase

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for MAD1 is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

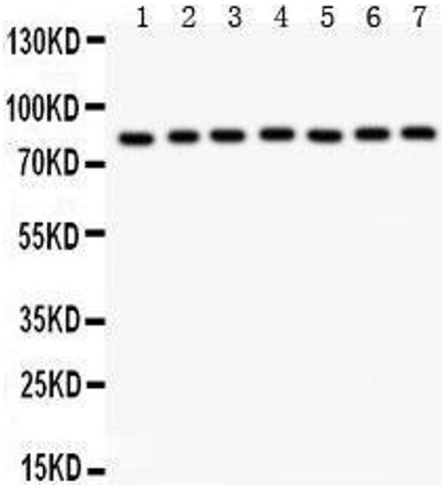
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images

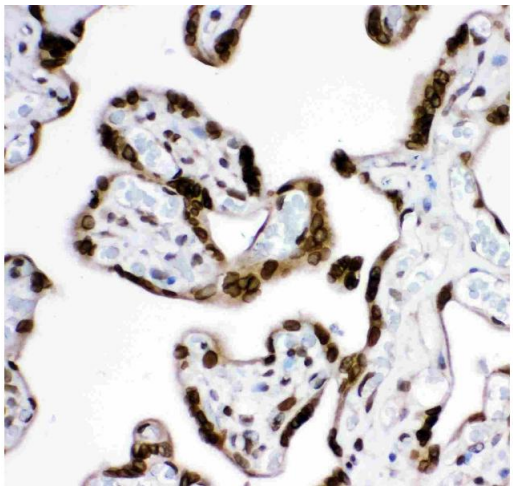
Western Blotting

Image 1. All lanes: Anti MAD1 at 0.5ug/ml WB: Recombinant Human MAD1 Protein 0.5ng Predicted bind size: 50KD Observed bind size: 50KD



Western Blotting

Image 2. Anti- MAD1 Picoband antibody, Western blotting All lanes: Anti MAD1 at 0.5ug/ml Lane 1: A549 Whole Cell Lysate at 40ug Lane 2: JURKAT Whole Cell Lysate at 40ug Lane 3: HELA Whole Cell Lysate at 40ug Lane 4: 293T Whole Cell Lysate at 40ug Lane 5: SHG Whole Cell Lysate at 40ug Lane 6: 22RV1 Whole Cell Lysate at 40ug Lane 7: PANC Whole Cell Lysate at 40ug Predicted bind size: 83KD Observed bind size: 83KD



Immunohistochemistry

Image 3. Anti- MAD1 Picoband antibody, IHC(P): Human Placenta Tissue