

Rabbit anti-Human MAD2L1BP Polyclonal Antibody | anti-MAD2L1BP antibody

Anti-MAD2L1BP Antibody Picoband

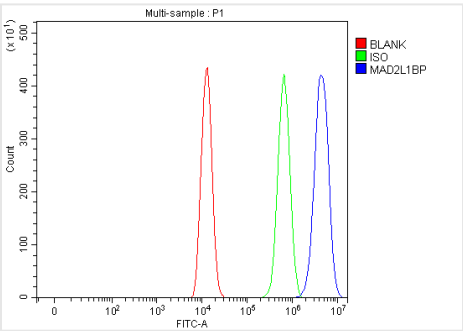
CATALOG # AAA127407	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

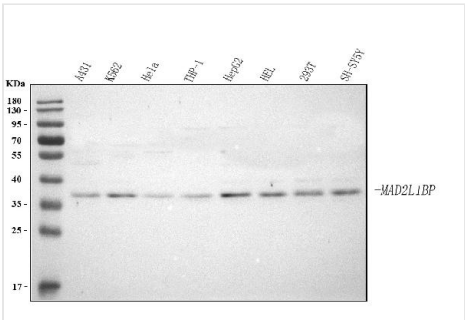
MAD2L1BP; Polyclonal Antibody; Anti-MAD2L1BP Antibody Picoband; AP-2 complex subunit beta; intraflagellar transport 88; Intraflagellar transport protein 88 homolog; Recessive polycystic kidney disease protein Tg737 homolog; Tetratricopeptide repeat protein 10; TPR repeat protein 10; IFT88; TG737; TTC10; anti-MAD2L1BP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in the heart, brain, liver, lung, kidney, skeletal muscle and pancreas.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MAD2L1BP antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MAD2L1BP recombinant protein (Position: Y20-E274).
Subcellular Localization	Centriole. Cilium basal body. Centrosome. Cilium. Cytoplasm. Flagellum.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Involved in primary cilium biogenesis. Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HEL cells using anti-MAD2L1BP antibody (AAA127407).Overlay histogram showing HEL cells stained with AAA127407 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MAD2L1BP Antibody (AAA127407, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of MAD2L1BP using anti-MAD2L1BP antibody (AAA127407).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human A431 whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: human Hela whole cell lysates,Lane 4: human THP-1 whole cell lysates,Lane 5: human HepG2 whole cell lysates,Lane 6: human HEL whole cell lysates,Lane 7: human 293T whole cell lysates,Lane 8: human SH-SY5Y whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAD2L1BP antigen affinity purified polyclonal antibody (#AAA127407) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MAD2L1BP at approximately 37 kDa. The expected band size for MAD2L1BP is at 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAD2L1BP antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MAD2L1BP antibody	Primary Antibodies; Cell Adhesion Proteins; ECM Proteins; Neuroscience
References	1. Alfieri, C., Chang, L., Barford, D. Mechanism for remodelling of the cell cycle checkpoint protein MAD2 by the ATPase TRIP13. Nature 559: 274-278, 2018.2. Date, D. A., Burrows, A. C., Venere, M., Jackson, M. W., Summers, M. K. Coordinated regulation of p31(Comet) and Mad2 expression is required for cellular proliferation. Cell Cycle 12: 3824-3832, 2013. 3. Eytan, E., Wang, K., Miniowitz-Shemtov, S., Sitry-Shevah, D., Kaisari, S., Yen, T. J., Liu, S.-T., Hershko, A. Disassembly of mitotic checkpoint complexes by the joint action of the AAA-ATPase TRIP13 and p13(comet). Proc. Nat. Acad. Sci. 111: 12019-12024, 2014.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51243063
NCBI GeneID	9587
NCBI Accession #	NP_001003690.1
NCBI GenBank Nucleotide #	NM_001003690.1
UniProt Accession #	Q15013; Q6IBB1; B4DLV3; E9PAT7
Molecular Weight	31,052 Da
NCBI Official Full Name	MAD2L1-binding protein isoform 1
NCBI Official Synonym Full Names	MAD2L1 binding protein
NCBI Official Symbol	MAD2L1BP

NCBI Official Synonym Symbols	CMT2; RP1-261G23.6
NCBI Protein Information	MAD2L1-binding protein; caught by MAD2 protein
UniProt Protein Name	MAD2L1-binding protein
UniProt Gene Name	MAD2L1BP
UniProt Synonym Gene Names	CMT2; KIAA0110
UniProt Entry Name	MD2BP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mad2l1bp-antibody-flow-cytometry-western-blot-elisa/127407>