

Human Microtubule-Associated Protein RP/EB Family Member 1 (MAPRE1) ELISA Kit | MAPRE1 elisa kit

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CATALOG # AAA331873	REACTIVITY Human
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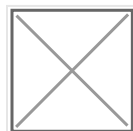
PRODUCT SYNONYMS

Microtubule-Associated Protein RP/EB Family Member 1 (MAPRE1); Human Microtubule-Associated Protein RP/EB Family Member 1 (MAPRE1) ELISA Kit; MAPRE1; EB1; MGC117374; MGC129946; adenomatous polyposis coli-binding protein EB1; MAPRE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated protein RP/EB family member 1 (MAPRE1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPRE1. No significant cross-reactivity or interference between Human MAPRE1 and analogues was observed.
Sequence Length	268
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Microtubule-associated protein RP/EB family member 1 (MAPRE1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPRE1 elisa kit	<p>Description: This Human Microtubule-associated protein RP/EB family member 1 (MAPRE1) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPRE1 in samples. An antibody specific for MAPRE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPRE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPRE1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAPRE1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MAPRE1 is a regulator of microtubule dynamics that localizes at both the growing plus ends of microtubules and the centrosome. It is involved in a variety of cellular processes, including establishment and maintenance of cell polarity, search and capture of chromosomes during mitosis, and positioning of the mitotic spindle during asymmetric cell division. This microtubule localization was abolished in the presence of the microtubule-destabilizing drug nocodazole; upon drug removal, the microtubule distribution of EB1 was recovered and EB1 fluorescence concentrated at the microtubule-organizing center. These results suggested that EB1 is associated with the microtubule network and may be involved in microtubule polymerization and spindle function.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20138589
NCBI GeneID	22919
UniProt Accession #	Q15691
NCBI Official Full Name	Microtubule-associated protein RP/EB family member 1
NCBI Official Synonym Full Names	microtubule associated protein RP/EB family member 1
NCBI Official Symbol	MAPRE1
NCBI Official Synonym Symbols	EB1
NCBI Protein Information	microtubule-associated protein RP/EB family member 1
UniProt Protein Name	Microtubule-associated protein RP/EB family member 1
UniProt Gene Name	MAPRE1
UniProt Synonym Gene Names	EB1
UniProt Entry Name	MARE1_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/human-elisa-kits/microtubule-associated-protein-rp-eb-family-member-1-mapre1/331873>