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Product datasheet for CF502796

EB2 (MAPRE2) Mouse Monoclonal Antibody [Clone ID: OTI1A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MAPRE2 (NP_055083) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36.9 kDa
Gene Name:	microtubule associated protein RP/EB family member 2
Database Link:	NP_055083 Entrez Gene 679221 RatEntrez Gene 490487 DogEntrez Gene 707996 MonkeyEntrez Gene 10982 Human Q15555

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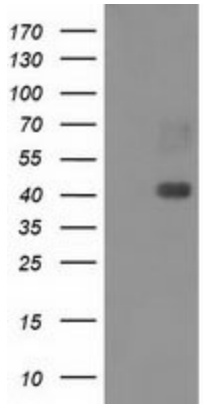
Background: The protein encoded by this gene shares significant homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. The function of this protein is unknown; however, its homology suggests involvement in tumorigenesis of colorectal cancers and proliferative control of normal cells. This gene may belong to the intermediate/early gene family, involved in the signal transduction cascade downstream of the TCR. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

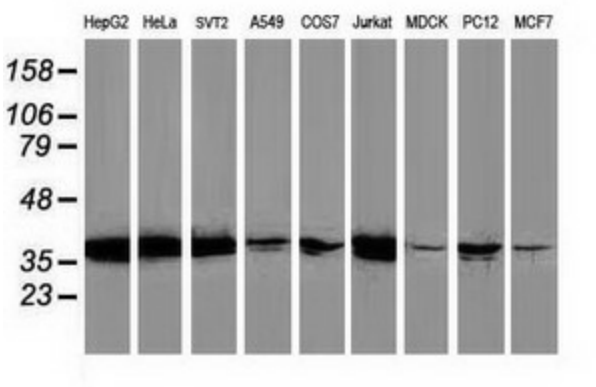
Synonyms: EB1; EB2; RP1

Protein Families: Druggable Genome

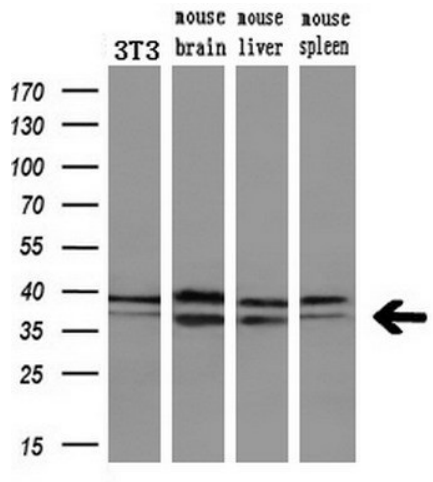
Product images:



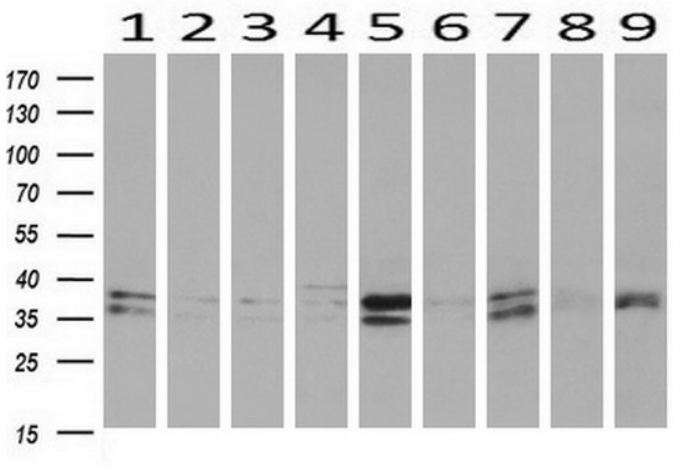
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAPRE2 ([RC200259], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAPRE2. Positive lysates [LY415395] (100ug) and [LC415395] (20ug) can be purchased separately from OriGene.



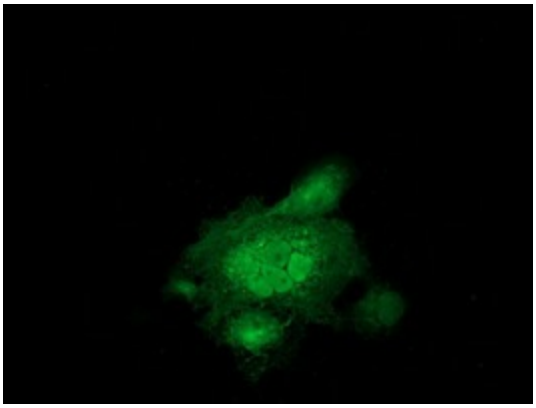
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MAPRE2 monoclonal antibody.



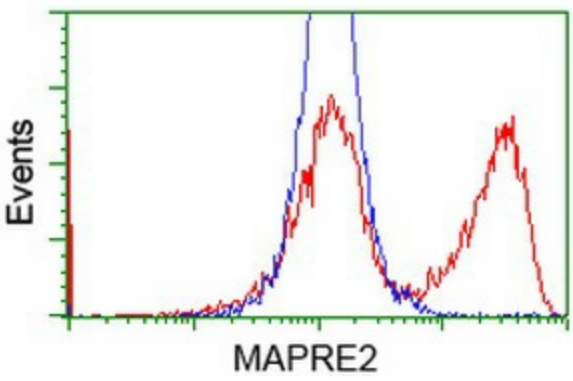
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-MAPRE2 monoclonal antibody (1:200).



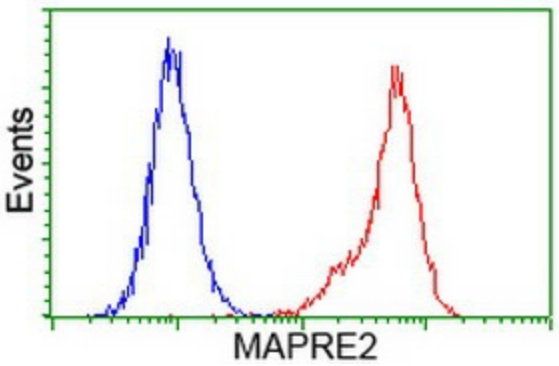
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-MAPRE2 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



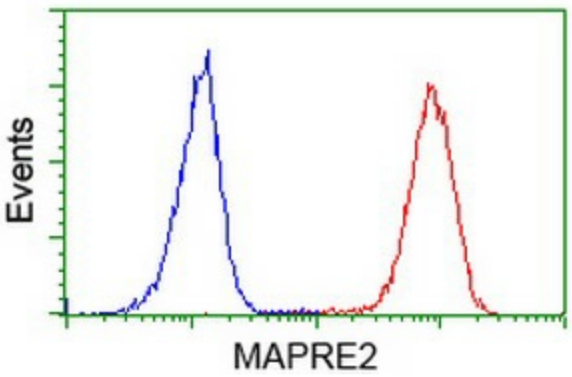
Anti-MAPRE2 mouse monoclonal antibody ([TA502796]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MAPRE2 ([RC200259]).



HEK293T cells transfected with either [RC200259] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MAPRE2 antibody ([TA502796]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-MAPRE2 antibody ([TA502796]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-MAPRE2 antibody ([TA502796]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).