

## Product datasheet for **TA502928AM**

### **EB2 (MAPRE2) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI7A2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI7A2
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human MAPRE2 (NP_055083) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	36.9 kDa
<b>Gene Name:</b>	microtubule associated protein RP/EB family member 2
<b>Database Link:</b>	<a href="#">NP_055083</a> <a href="#">Entrez Gene 10982 Human</a> <a href="#">Q15555</a>
<b>Background:</b>	The protein encoded by this gene shares significant homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. This protein is a microtubule-associated protein that is necessary for spindle symmetry during mitosis. It is thought to play a role in the tumorigenesis of colorectal cancers and the proliferative control of normal cells. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

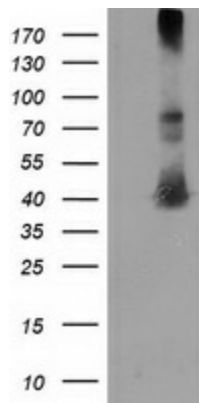


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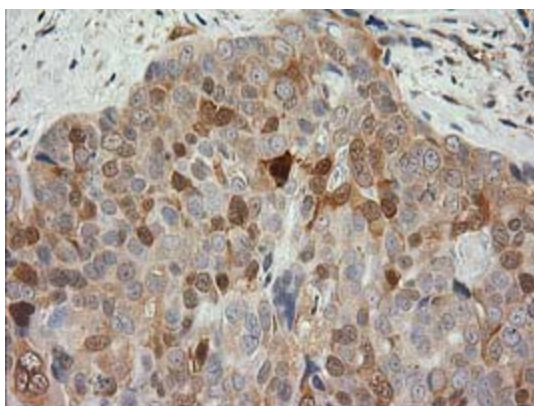
Synonyms: EB1; EB2; RP1

Protein Families: Druggable Genome

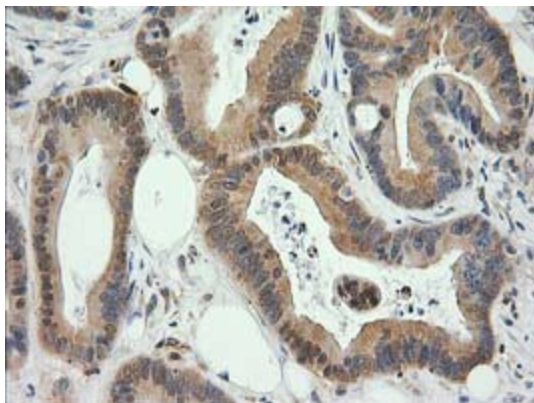
**Product images:**



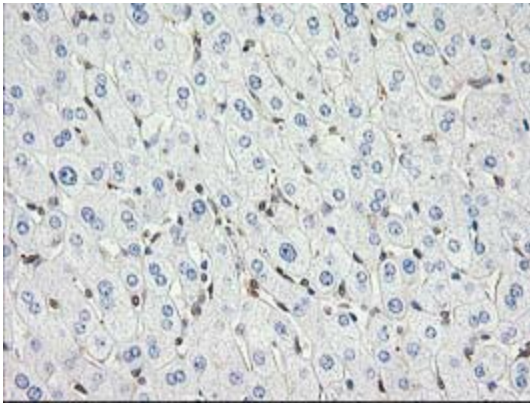
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MAPRE2 (Cat# [RC200259], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAPRE2(Cat# [TA502928]). Positive lysates [LY415395] (100ug) and [LC415395] (20ug) can be purchased separately from OriGene.



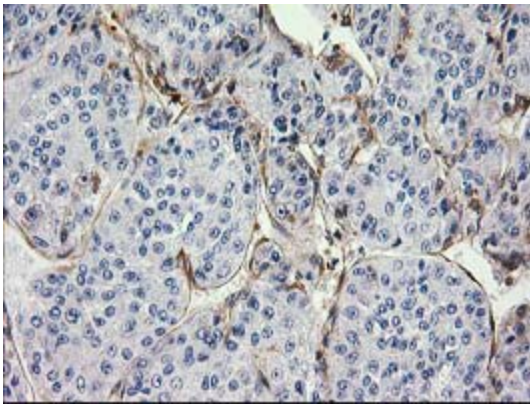
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



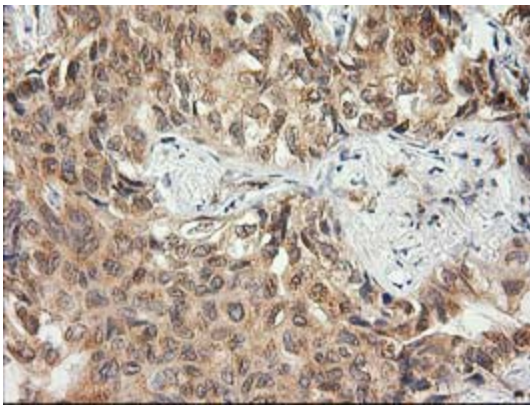
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])

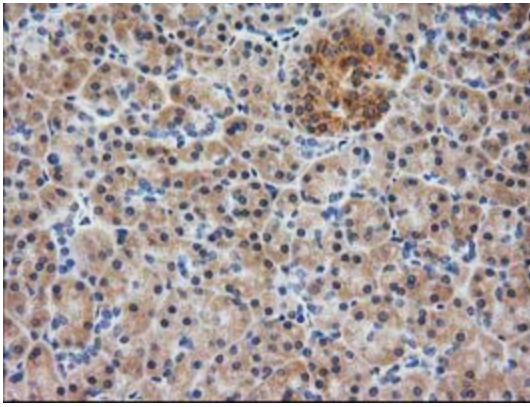


Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])

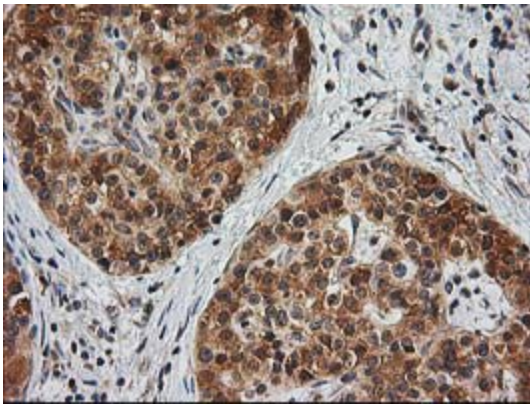


Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])

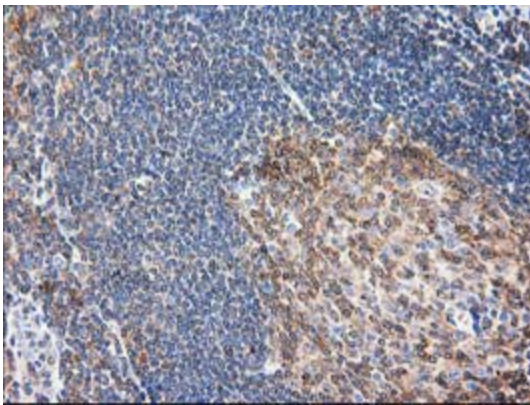




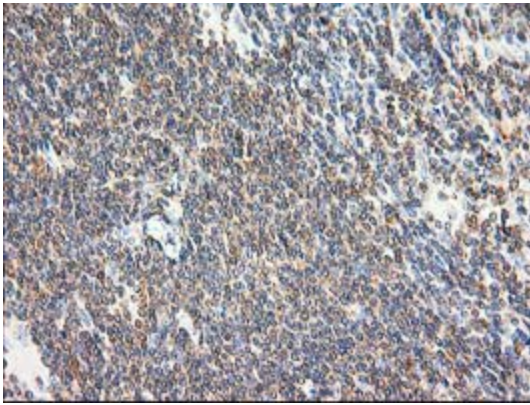
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



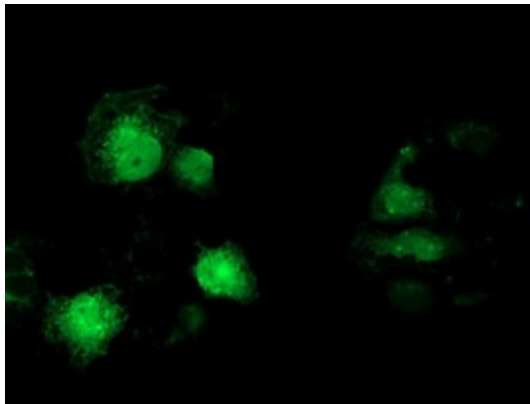
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



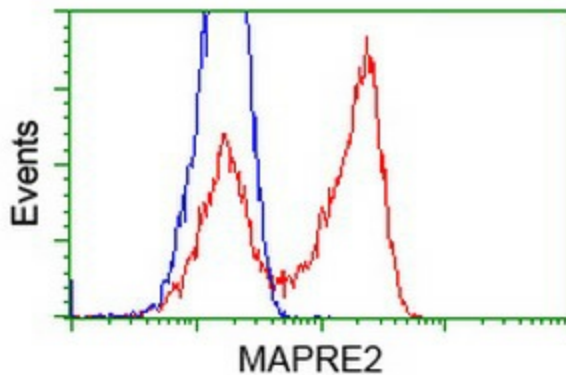
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



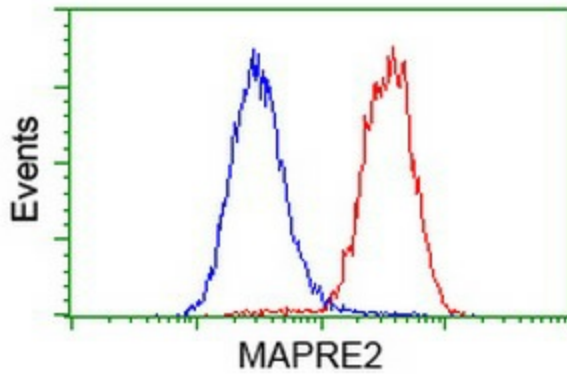
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-MAPRE2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502928])



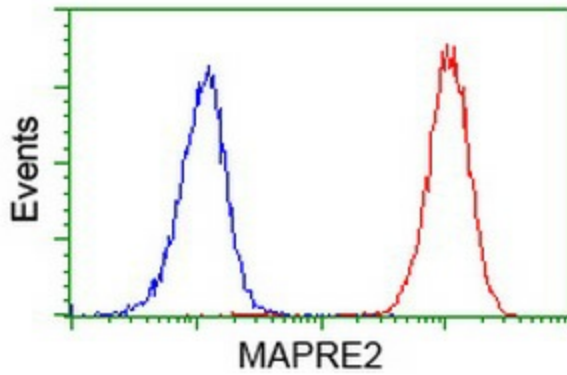
Anti-MAPRE2 mouse monoclonal antibody ([TA502928]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MAPRE2 ([RC200259]).



HEK293T cells transfected with either [RC200259] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MAPRE2 antibody ([TA502928]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-MAPRE2 antibody ([TA502928]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-MAPRE2 antibody ([TA502928]), (Red), compared to a nonspecific negative control antibody, (Blue).