

Product datasheet for **CF500762**

RPA34 (RPA2) Mouse Monoclonal Antibody [Clone ID: OTI10G1]

Product data:

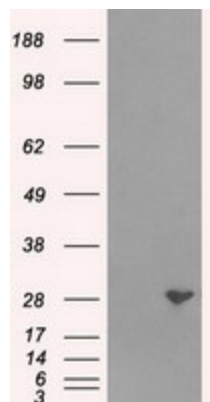
Product Type:	Primary Antibodies
Clone Name:	OTI10G1
Applications:	FC, IHC, IP, WB
Recommended Dilution:	WB 1:4000, IHC 1:50, FLOW 1:100, IP 2ug/500ul
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RPA2 (NP_002937) 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:	29.1 kDa
Gene Name:	replication protein A2
Database Link:	NP_002937 Entrez Gene 19891 Mouse Entrez Gene 59102 Rat Entrez Gene 6118 Human P15927
Synonyms:	REPA2; RP-A p32; RP-A p34; RPA32
Protein Families:	Druggable Genome, Stem cell - Pluripotency



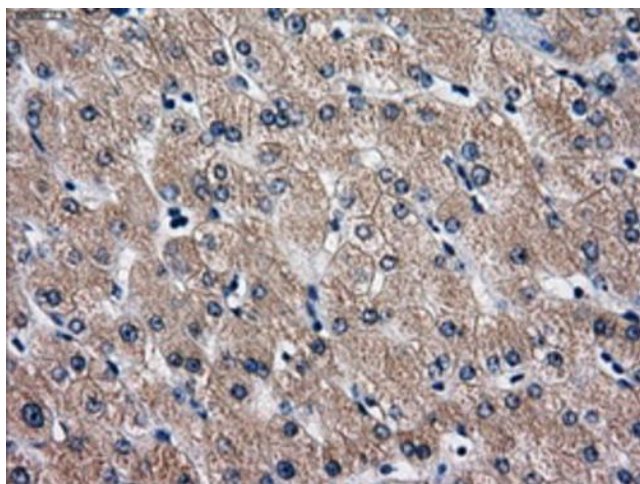
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Protein Pathways: DNA replication, Homologous recombination, Mismatch repair, Nucleotide excision repair

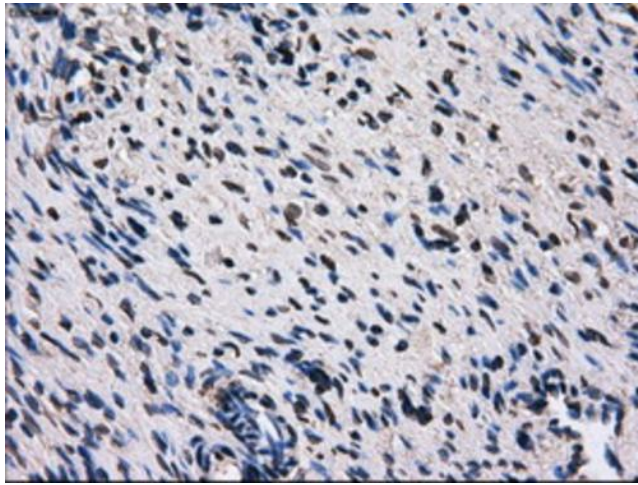
Product images:



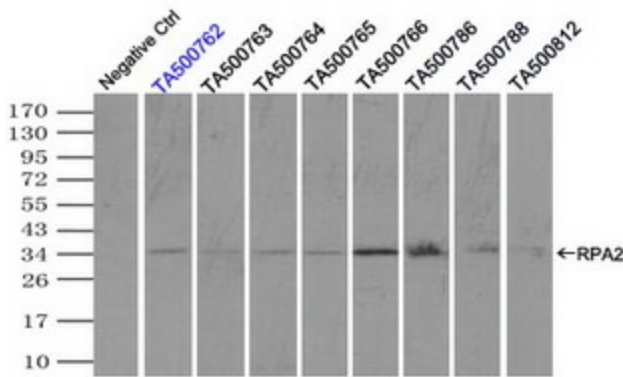
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RPA2 ([RC205715], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RPA2. Positive lysates [LY401031] (100ug) and [LC401031] (20ug) can be purchased separately from OriGene.



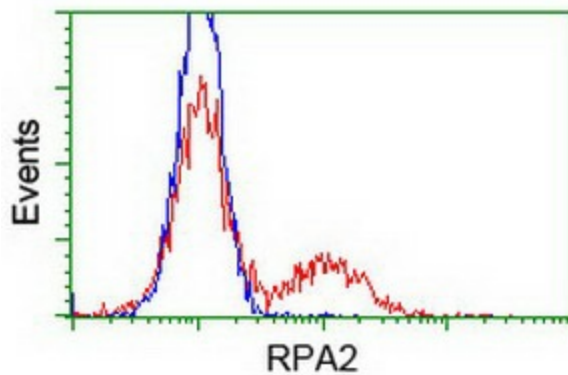
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-RPA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500762])



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-RPA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500762])



Immunoprecipitation (IP) of RPA2 by using TrueMab monoclonal anti-RPA2 antibodies (Negative control: IP without adding anti-RPA2 antibody.). For each experiment, 500ul of DDK tagged RPA2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-RPA2 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immunoprecipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



HEK293T cells transfected with either [RC205715] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RPA2 antibody ([TA500762]), and then analyzed by flow cytometry.