

Product datasheet for **TA324750**

CD38 Rabbit Polyclonal Antibody

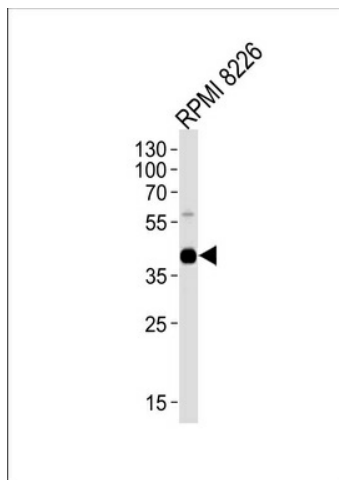
Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:50~100, IF: 1:10~50, FC: 1:10~50
Reactivity:	Human (Predicted: Monkey)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This CD38 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-270 amino acids from the C-terminal region of human CD38.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34328 Da
Gene Name:	CD38 molecule
Database Link:	NP_001766 Entrez Gene 714399 Monkey Entrez Gene 952 Human P28907
Synonyms:	ADPRC 1; T10
Protein Families:	Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane
Protein Pathways:	Calcium signaling pathway, Hematopoietic cell lineage, Metabolic pathways, Nicotinate and nicotinamide metabolism

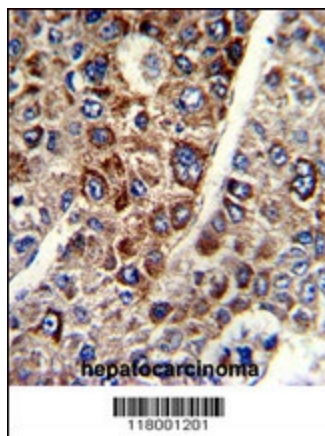


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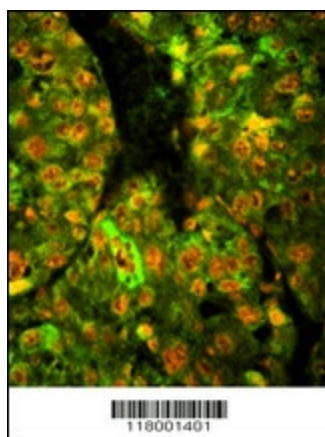
Product images:



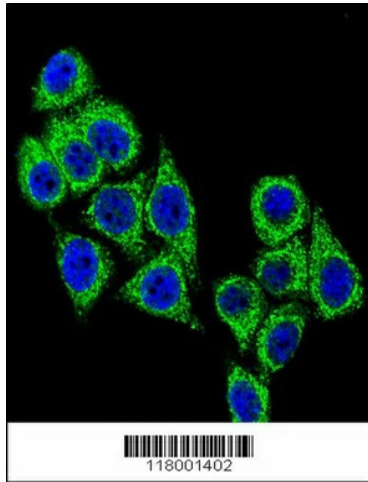
Western blot analysis of lysate from RPMI 8226 cell line, using CD38 Antibody (C-term) (Cat. #TA324750). TA324750 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



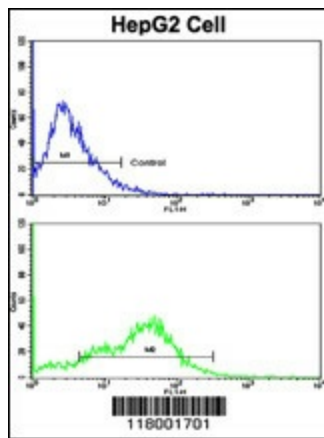
Formalin-fixed and paraffin-embedded human hepatocarcinoma with CD38 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunofluorescence analysis of CD38 Antibody (C-term) with paraffin-embedded human hepatocarcinoma tissue. 0.05 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. Red counterstaining is PI.



Confocal immunofluorescent analysis of CD38 Antibody (C-term) (Cat. #TA324750) with Hela cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Flow cytometric analysis of HepG2 cells using CD38 Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.