

Anti-Alpha-tubulin (Phospho-Y272) Antibody

Catalog #	Source	Reactivity	Applications
CPA6068	Rabbit	H, M, R, B, C, Mk, Z	WB, IH
Description	Rabbit polyclonal antibody to Alpha-tubulin (Phospho-Y272)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y272 of human Alpha-tubulin protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Alpha-tubulin protein only when phosphorylated at Y272.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
Gene Symbol	TUBA1A		
Alternative Names	TUBA1A; TUBA3; Tubulin alpha-1A chain; Alpha-tubulin 3; Tubulin B-alpha-1; Tubulin alpha-3 chain; TUBA1B; Tubulin alpha-1B chain; Alpha-tubulin ubiquitous; Tubulin K-alpha-1; Tubulin alpha-ubiquitous chain; TUBA1C; TUBA6; Tubulin alpha-1C chain; Alpha-tub		
Entrez Gene	7846, 10376, 84790, 113457, 7278, 112714, 7277 (Human); 22142, 22143, 22146 (Mouse); 64158, 500929, 100909441 (Rat)		
SwissProt	Q71U36, P68363, Q9BQE3, Q13748, Q6PEY2, P68366 (Human); P68369, P05213, P68373 (Mouse); P68370, Q6P9V9, Q6AYZ1 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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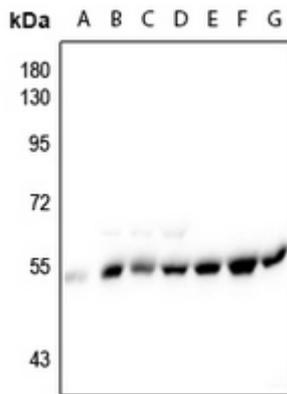
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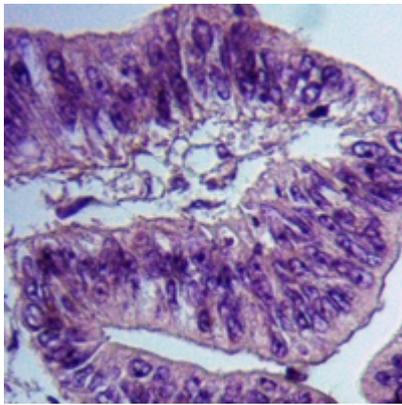
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Product Data Sheet

freeze/thaw cycles.



Western blot analysis of Alpha-tubulin (Phospho-Y272) expression in U87MG (A), A375 (B), HeLa (C), A2780 (D), EC9706 (E), C6 (F), CT26 (G) whole cell lysates. (Predicted band size: 50; 49 kD; Observed band size: 52 kD)



Immunohistochemical analysis of Alpha-tubulin (Phospho-Y272) staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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