For research purposes only, not for human use

Product Data Sheet

Anti-Beta1-tubulin Antibody

Catalog #	Source	Reactivity	Applications
CPA9114	Mouse	H, M, R	WB, IH

Description	Mouse monoclonal antibody to Beta1-tubulin
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human Beta1-tubulin. The exact sequence is proprietary.
Purification	
Specificity	Recognizes endogenous levels of Beta1-tubulin protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/5000 - 1/10000), IH (1/200 - 1/500)
Gene Symbol	TUBB1
Alternative Names	Tubulin beta-1 chain
Entrez Gene	81027 (Human); 545486 (Mouse)
SwissProt	Q9H4B7 (Human); A2AQ07 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

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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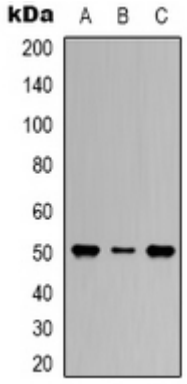
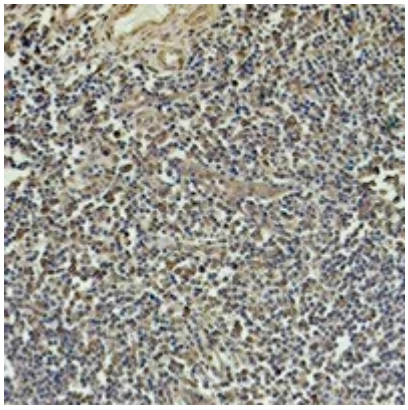


Western blot analysis of Beta1-tubulin expression in Hela (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 52 kD)



Immunohistochemical analysis of Beta1-tubulin staining in human tonsil 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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