For research purposes only, not for human use

Product Data Sheet

Anti-BUB3 Antibody

Catalog #	Source	Reactivity	Applications
CPA2368	Rabbit	H, M, R, Mk	WB, IH, IF/IC

Description	Rabbit polyclonal antibody to BUB3
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human BUB3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of BUB3 protein.
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), IF/IC (1/50 - 1/200)
Gene Symbol	BUB3
Alternative Names	Mitotic checkpoint protein BUB3
Entrez Gene	9184 (Human)
SwissProt	O43684 (Human)
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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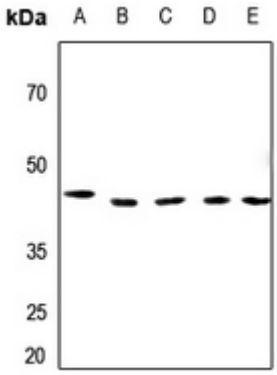
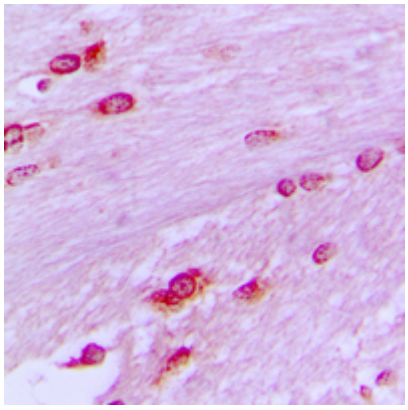
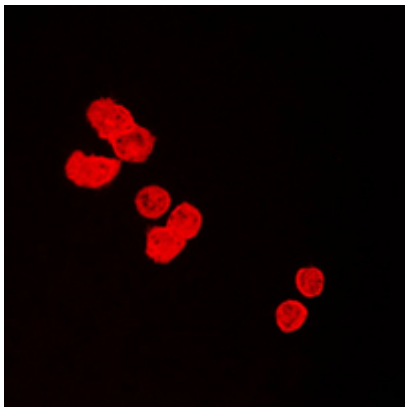


Western blot analysis of BUB3 expression in HEK293T (A), mouse kidney (B), rat lung (C), rat brain (D), rat kidney (E) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 40 kD)



Immunohistochemical analysis of BUB3 staining in human brain 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.



Immunofluorescent analysis of BUB3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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