

Product Data Sheet

Anti-PIP4K2 beta Antibody

Catalog #	Source	Reactivity	Applications
CQA1719	Rabbit	H, M, R	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to PIP4K2 beta		
Immunogen	Recombinant full length protein of human PIP4K2 beta		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of PIP4K2 beta 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 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/100)		
Gene Symbol	PIP4K2B		
Alternative Names	PIP5K2B; Phosphatidylinositol 5-phosphate 4-kinase type-2 beta; 1-phosphatidylinositol 5-phosphate 4-kinase 2-beta; Diphosphoinositide kinase 2-beta; Phosphatidylinositol 5-phosphate 4-kinase type II beta; PI(5)P 4-kinase type II beta; PIP4KII-beta; PtdIns(5)P-4-kinase isoform 2-beta		
Entrez Gene	8396 (Human); 108083 (Mouse); 89812 (Rat)		
SwissProt	P78356 (Human); Q80XI4 (Mouse); O88377 (Rat)		
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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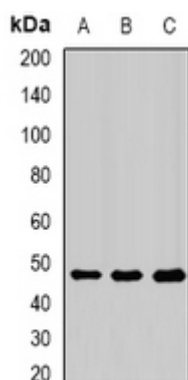
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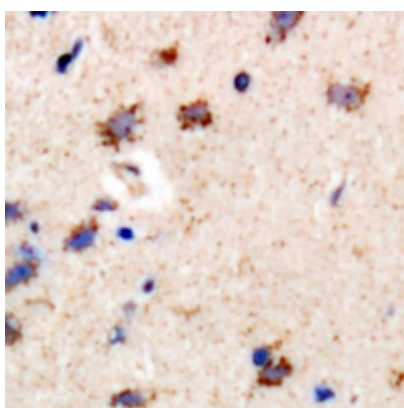
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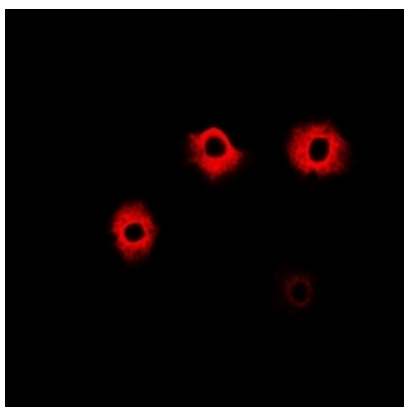
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Western blot analysis of PIP4K2 beta expression in Hela (A), A549 (B), mouse spleen (C) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47 kD)



Immunohistochemical analysis of PIP4K2 beta staining in rat 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 PIP4K2 beta staining in A549 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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