

**Anti-Human/Mouse/Rat PIP5K1C Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA09301**

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3th Edition

**Description:** This locus encodes a type I phosphatidylinositol 4-phosphate 5-kinase. The encoded protein catalyzes phosphorylation of phosphatidylinositol 4-phosphate, producing phosphatidylinositol 4,5-bisphosphate. This enzyme is found at synapses and has been found to play roles in endocytosis and cell migration. Mutations at this locus have been associated with lethal congenital contractural syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

**Antigen:** Synthetic peptide of human PIP5K1C

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Isoform 1 is strongly expressed in brain and also detected in heart and lung. Isoform 2 is strongly expressed in pancreas and liver and in lesser quantities in brain, heart, lung and kidney. Isoform 3 is detected in large amounts in heart and large intestine, is also present in lung, pancreas and thyroid, and to a lesser extent in brain, stomach and kidney.