

## Anti-PIP5K1C Rabbit mAb

Purified Rabbit Monoclonal Antibody

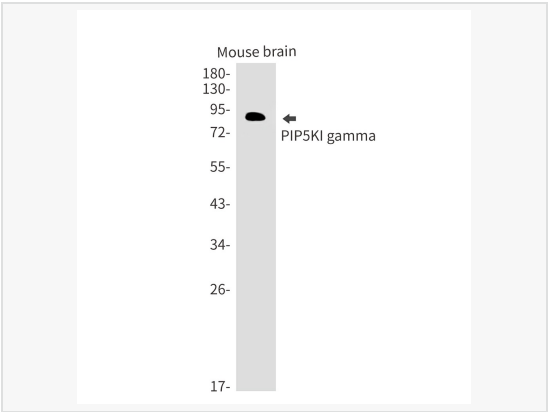
Catalog # R012804

### Product Information

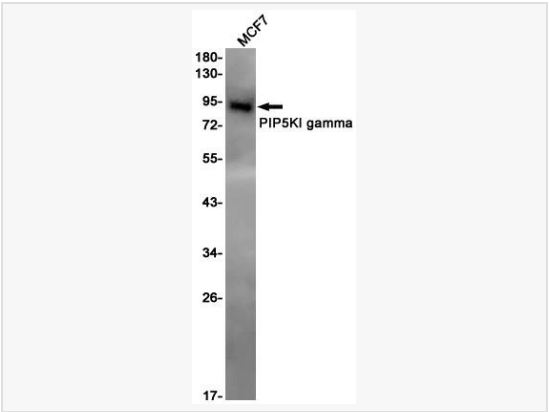
|             |                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Application | IP, ELISA, WB                                                                                                                         |
| Reactivity  | Human, Mouse                                                                                                                          |
| Dilution    | WB 1:500~1:1,000; IP 1:20                                                                                                             |
| Host        | Rabbit                                                                                                                                |
| Clonality   | Monoclonal                                                                                                                            |
| Clone No.   | 86M53M77                                                                                                                              |
| Isotype     | IgG                                                                                                                                   |
| Label       | Unconjugated                                                                                                                          |
| Immunogen   | Recombinant protein of mouse PIP5KI gamma                                                                                             |
| Format      | Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified. |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.           |
| Precautions | Anti-PIP5K1C antibody [86M53M77] is for research use only and not for use in diagnostic or therapeutic procedures.                    |

### Protein Information

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms      | AI115456, AI835305, Pip5kIgamma.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Calculated MW | Calculated MW: 72 kDa; Observed MW: 90,87 kDa                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Uniprot ID    | O70161                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene ID       | 18717                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Background    | Catalyzes the phosphorylation of phosphatidylinositol 4-phosphate (PtdIns4P) to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). PtdIns(4,5)P2 is involved in a variety of cellular processes and is the substrate to form phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3), another second messenger. The majority of PtdIns(4,5)P2 is thought to occur via type I phosphatidylinositol 4-phosphate 5-kinases given the abundance of PtdIns4P. |



Western blot analysis of PIP5KI gamma in mouse brain lysates using PIP5K1C antibody.



Western blot analysis of PIP5KI gamma in MCF-7 lysates using PIP5KI gamma antibody.