

Datasheet for ABIN7236220

**anti-PIP5K1B antibody****2** Images[Go to Product page](#)

## Overview

|              |  |
|--------------|--|
| Quantity:    | 200 µL                                 |
| Target:      | PIP5K1B                                |
| Reactivity:  | Human, Mouse, Rat                      |
| Host:        | Rabbit                                 |
| Clonality:   | Polyclonal                             |
| Conjugate:   | This PIP5K1B antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC)      |

## Product Details

|                  |                                      |
|------------------|--------------------------------------|
| Immunogen:       | Recombinant protein of human PIP5K1B |
| Isotype:         | IgG                                  |
| Characteristics: | Polyclonal Antibody                  |
| Purification:    | Affinity purification                |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PIP5K1B   |
| Alternative Name: | PIP5K1B ( <a href="#">PIP5K1B Products</a> )  |
| Background:       | Phosphatidylinositol-4-phosphate-5-kinase (PIPK) synthesizes phosphatidylinositol-4,5-bisphosphate, which regulates various processes including cell proliferation, survival, membrane trafficking, and cytoskeletal organization. The PIPK family is divided into type I, type II and type III . Each type of the PIPK family phosphorylate distinct substrates and they contain |

## Target Details

an activation loop, which determines their enzymatic specificity and subcellular targeting . The phosphatidylinositol-4-phosphate-5-kinase type I consists of three members, PIPK I , , and , which are characterized by phosphorylating PI4P on the 5-hydroxyl . PIPK I (designated PIPK I in mouse) is expressed in brain tissue . PIPK I , designated PIPK I a in mouse, is also called STM7. PIPK I has two variants produced by alternative splicing which are expressed in lung, brain, and kidneys.

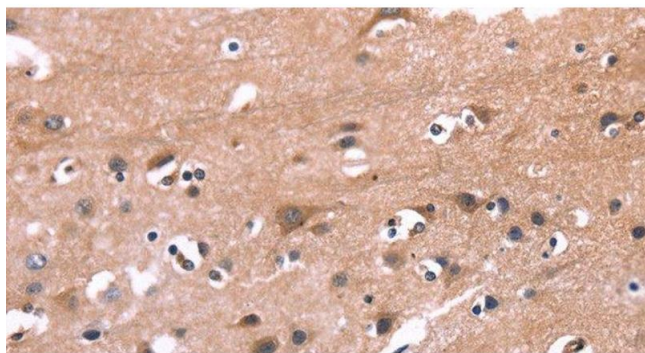
|           |   |
|-----------|---|
| UniProt:  | <a href="#">O14986</a>  |
| Pathways: | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Cell-Cell Junction Organization</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IHC 1:50-1:200        |
| Restrictions:      | For Research Use only |

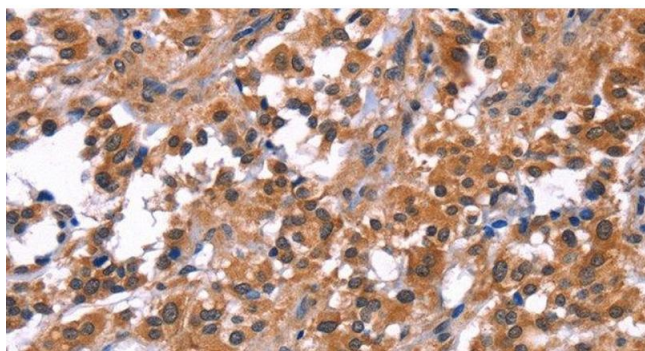
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.3 mg/mL  |
| Buffer:            | PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human brain tissue using PIP5K1B Polyclonal Antibody at dilution 1:30



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PIP5K1B Polyclonal Antibody at dilution 1:30