

Product datasheet for **TA349607**

PIP5K1 alpha (PIP5K1A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: PC3 and 293T cells IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PIP5K1A
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	63 kDa
Gene Name:	phosphatidylinositol-4-phosphate 5-kinase type 1 alpha
Database Link:	NP_003548 Entrez Gene 8394 Human Q99755



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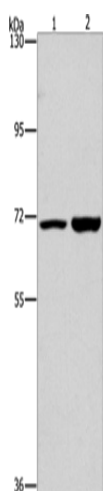
Background: Phosphatidylinositol-4-phosphate 5-kinase type-1 alpha is an enzyme that in humans is encoded by the PIP5K1A gene. Catalyzes the phosphorylation of phosphatidylinositol 4-phosphate (PtdIns4P) to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂). PtdIns(4,5)P₂ is involved in a variety 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.

Synonyms: alpha; OTTHUMP00000014290; phosphatidylinositol-4-phosphate 5-kinase; type I

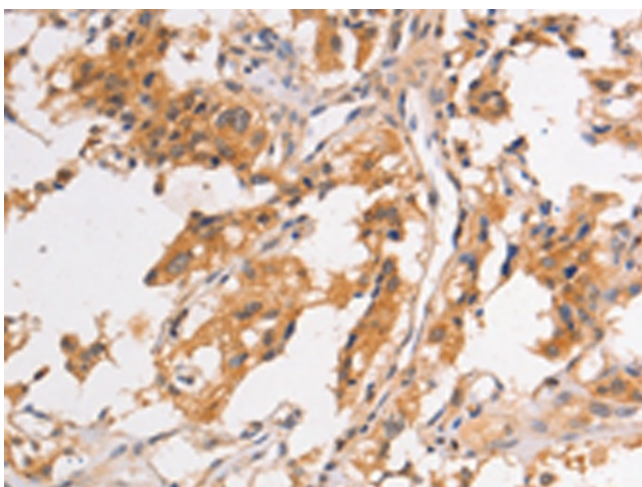
Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton

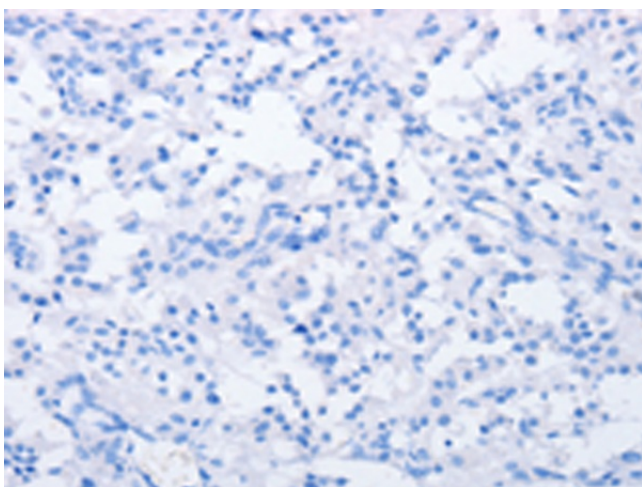
Product images:



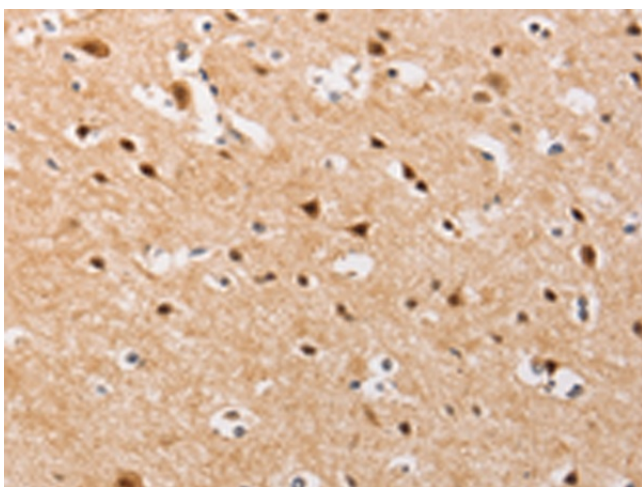
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-2: PC3 cells
293T cells
Primary antibody: TA349607 (PIP5K1A Antibody)
at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 40 seconds



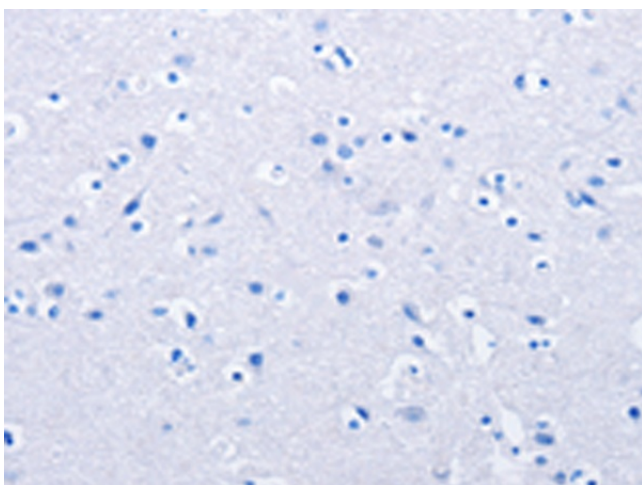
Immunohistochemistry of paraffin-embedded
Human thyroid cancer tissue using TA349607
(PIP5K1A Antibody) at dilution 1/30 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349607 (PIP5K1A Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA349607 (PIP5K1A Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA349607 (PIP5K1A Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)