

Product datasheet for **TA364646S**

PIP5K1 alpha (PIP5K1A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela, A431 and 293T cells IHC: 25-100 Positive control: Human colon 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
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	63 kDa
Gene Name:	phosphatidylinositol-4-phosphate 5-kinase type 1 alpha
Database Link:	Entrez Gene 8394 Human Q99755

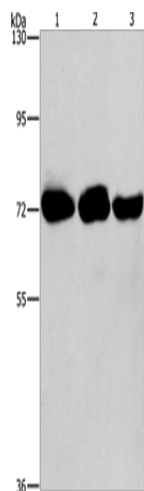
Background: Phosphatidylinositol-4-phosphate 5-kinase type-1 alpha is an enzyme that in humans is encoded by the PIP5K1A gene. Catalyzes the phosphorylation of phosphatidylinositol 4-phosphate (PtdIns4P) to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂). PtdIns(4,5)P₂ is involved in a variety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



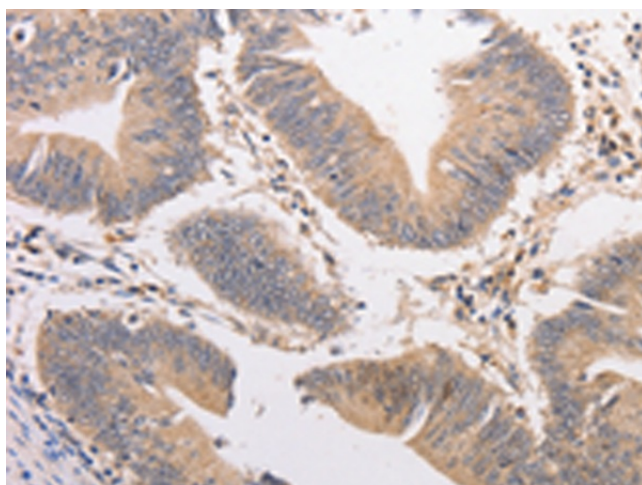
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Synonyms: PIP5K1alpha

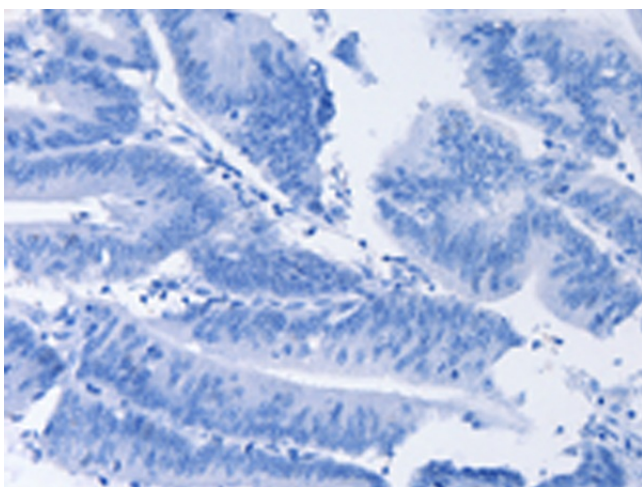
Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-3: HeLa cells
A431 cells
293T cells
Primary antibody: [TA364646] (PIP5K1A Antibody)
at dilution 1/260
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded
Human colon cancer tissue using [TA364646]
(PIP5K1A Antibody) at dilution 1/20 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA364646] (PIP5K1A Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)