

PIP5K1A Antibody

Catalog No: #36206



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Description

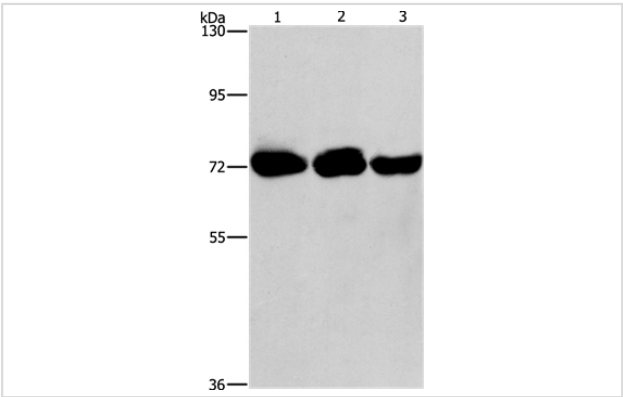
Product Name	PIP5K1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PIP5K1A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human phosphatidylinositol-4-phosphate 5-kinase, type I, alpha
Target Name	PIP5K1A
Other Names	PI51A;PIP5K1-alpha;PIP5K1alpha
Accession No.	Swiss-Prot#: Q99755NCBI Gene ID: 8394Gene Accssion: BC007833
Uniprot	Q99755
GeneID	8394;
SDS-PAGE MW	63kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

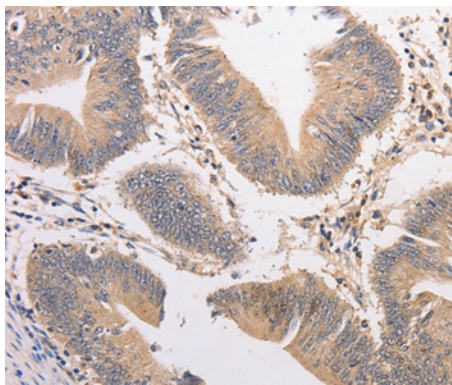
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 6%SDS-PAGE
Lysates (from left to right): HeLa, A431 and 293T cell
Amount of lysate: 40ug per lane
Primary antibody: 1/260 dilution
Secondary antibody dilution: 1/8000
Exposure time: 30 seconds



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36206 at dilution 1/20.

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.

Note: This product is for in vitro research use only