PIP5K1B Antibody

Catalog No: #36234

Orders: order@signalwayantibody.com
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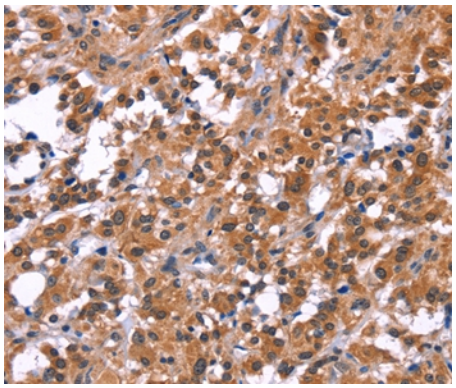
Description

Product Name	PIP5K1B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PIP5K1B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human phosphatidylinositol-4-phosphate 5-kinase, type I, beta
Target Name	PIP5K1B
Other Names	MSS4; STM7
Accession No.	Swiss-Prot#: O14986NCBI Gene ID: 8395Gene Accssion: BC030587
Uniprot	O14986
GeneID	8395;
Concentration	1.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

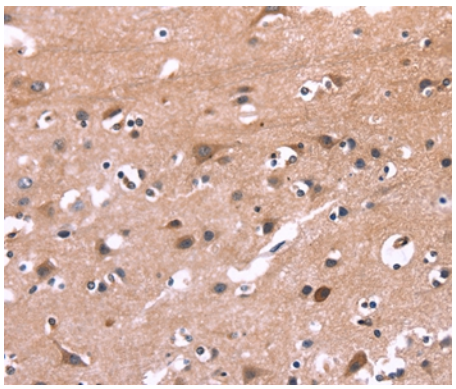
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36234 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #36234 at dilution 1/30.

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 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 ?, B‘Γ , and ?, which are characterized by phosphorylating PI4P on the 5-hydroxyl . PIPK I ? (designated PIPK I B‘Γ in mouse) is expressed in brain tissue . PIPK I B‘Γ , 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.

Note: This product is for in vitro research use only