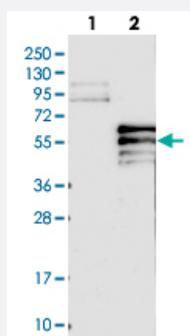


PI4K2B polyclonal antibody

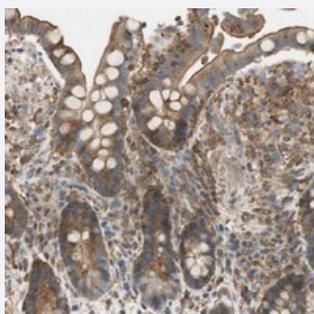
Catalog # PAB20260 Size 100 uL

Applications



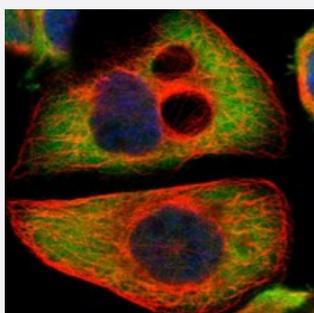
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate), Lane 2: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells with PI4K2B polyclonal antibody (Cat # PAB20260) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon with PI4K2B polyclonal antibody (Cat # PAB20260) shows moderate cytoplasmic and membranous positivity in glandular cells at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line A-431 with PI4K2B polyclonal antibody (Cat # PAB20260) at 1-4 ug/mL dilution shows positivity in cytoplasm.

Specification

Product Description

Rabbit polyclonal antibody raised against recombinant PI4K2B.

Immunogen

Recombinant protein corresponding to amino acids of human PI4K2B.

Sequence	LILPYISDMNFVQDLCEDLYELFKTDKGFDKATFESQMSVMRGQILNLTQALRDGKSPFQLVQIPC VIVERSQGGSQGRMHLSNSFTQTVNCRKPF
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — PI4K2B

Entrez GeneID [55300](#)

Protein Accession#	Q8TCG2
Gene Name	PI4K2B
Gene Alias	FLJ111105, PI4KIIB, PIK42B
Gene Description	phosphatidylinositol 4-kinase type 2 beta
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 4-kinases (PI4Ks) phosphorylate phosphatidylinositol to generate phosphatidylinositol 4-phosphate (PIP), an immediate precursor of several important signaling and scaffolding molecules. PIP itself may also have direct functional and structural roles. PI4K2B is a primarily cytosolic PI4K that is recruited to membranes, where it stimulates phosphatidylinositol 4,5-bisphosphate synthesis (Wei et al., 2002 [PubMed 12324459]).[supplied by OMIM]
Other Designations	2610042N09Rik 4933409G22Rik OTTHUMP00000158714 phosphatidylinositol 4-kinase type-II beta

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)