

PI3KR5 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8027c

Specification

PI3KR5 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8WYR1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	97348
Antigen Region	392-421

PI3KR5 Antibody (Center) - Additional Information

Gene ID 23533

Other Names

Phosphoinositide 3-kinase regulatory subunit 5, PI3-kinase regulatory subunit 5, PI3-kinase p101 subunit, Phosphatidylinositol 4, 5-bisphosphate 3-kinase regulatory subunit, PtdIns-3-kinase regulatory subunit, Protein FOAP-2, PtdIns-3-kinase p101, p101-PI3K, PIK3R5

Target/Specificity

This PI3KR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 392-421 amino acids from the Central region of human PI3KR5.

Dilution

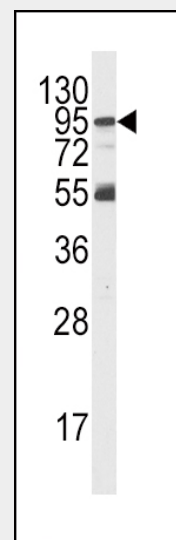
WB~~1:1000

Format

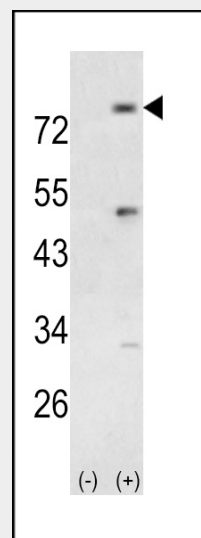
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of PI3KR5 Antibody (Center) Pab (Cat.#AP8027c) in K562 cell line lysates (35ug/lane). PI3KR5(arrow) was detected using the purified polyclonal antibody.



Western blot analysis of PIK3R5 (arrow) using rabbit polyclonal PIK3R5 Antibody (Center) (Cat. #AP8027c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PIK3R5 gene (Lane 2).

Precautions

PI3KR5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PI3KR5 Antibody (Center) - Protein Information

Name PIK3R5

Function

Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG (By similarity).

Cellular Location

Nucleus

{ECO:0000250|UniProtKB:O02696}.

Cytoplasm

{ECO:0000250|UniProtKB:O02696}. Cell membrane

{ECO:0000250|UniProtKB:O02696};

Peripheral membrane protein

{ECO:0000250|UniProtKB:O02696}.

Note—Predominantly localized in the nucleus in absence of PIK3CG/p120.

Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner.

{ECO:0000250|UniProtKB:O02696}

Tissue Location

Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli

PI3KR5 Antibody (Center) - Background

PI3KR5 is a regulatory subunit of the PI3K gamma complex. This protein, which interacts with G beta gamma proteins, is a heterodimer of a catalytic subunit (PI3KCG/p120) and a regulatory (PI3KR5a/p101) subunit.

PI3KR5 Antibody (Center) - References

Brock, C., et al., J. Cell Biol. 160(1):89-99 (2003).

PI3KR5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)