

# PI3KR5 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8027c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q8WYR1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB11620
Calculated MW	97348
Antigen Region	392-421

## Additional Information

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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 E~~Use at an assay dependent concentration.
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.
Precautions	PI3KR5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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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

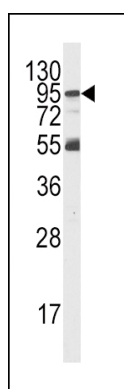
## Background

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.

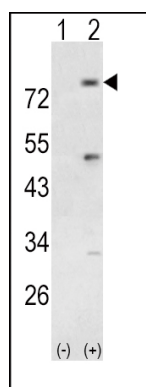
## References

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

## Images



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 PI3KR5 (arrow) using rabbit polyclonal PI3KR5 Antibody (Center) (Cat. #AP8027c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PI3KR5 gene (Lane 2).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.