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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 IgG**
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.

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}

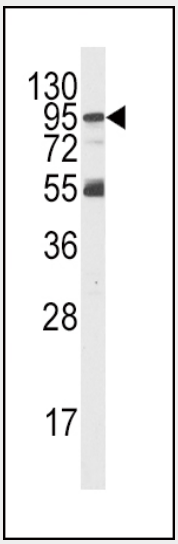
Tissue Location
Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli

PI3KR5 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PI3KR5 Antibody (Center) - 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.

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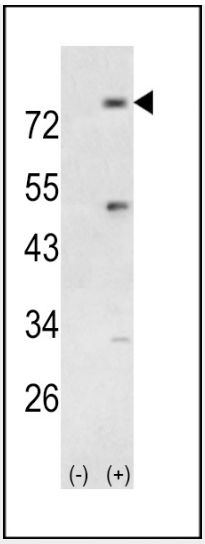

Western blot analysis of PIK3R5 (arrow) using rabbit polyclonal PIK3R5 Antibody (Center) (Cat. #AP8027c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PIK3R5 gene (Lane 2).

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).