

PIK3R6 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51817**Specification**

PIK3R6 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q5UE93 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 84 KDa |

PIK3R6 Antibody - Additional Information**Gene ID** 146850**Other Names**

Phosphoinositide 3-kinase regulatory subunit 6, Phosphoinositide 3-kinase gamma adapter protein of 87 kDa, p84 PI3K adapter protein, p84 PIKAP, p87 PI3K adapter protein, p87PIKAP, PIK3R6, C17orf38

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

PIK3R6 Antibody - Protein Information**Name** PIK3R6**Synonyms** C17orf38**Function**

Regulatory subunit of the PI3K gamma complex. Acts as an adapter to drive activation of PIK3CG by beta-gamma G protein dimers. The PIK3CG:PIK3R6 heterodimer is much less sensitive to beta-gamma G protein dimers than PIK3CG:PIK3R5 and its membrane recruitment and beta-gamma G protein dimer-dependent activation requires HRAS bound to PIK3CG. Recruits of the PI3K gamma complex to a PDE3B:RAPGEF3 signaling complex involved in angiogenesis; signaling seems to involve RRAS.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q3U6Q4}. Cell membrane

{ECO:0000250|UniProtKB:Q3U6Q4}; Peripheral membrane protein
{ECO:0000250|UniProtKB:Q3U6Q4}. Note=Translocated to the plasma membrane in a Ras-dependent manner. {ECO:0000250|UniProtKB:Q3U6Q4}

PIK3R6 Antibody - 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](#)

PIK3R6 Antibody - Images

PIK3R6 Antibody - Background

Regulatory subunit of the PI3K gamma complex. Acts as an adapter to drive activation of PIK3CG by beta-gamma G protein dimers. The PIK3CG:PIK3R6 heterodimer is much less sensitive to beta-gamma G protein dimers than PIK3CG:PIK3R5 and its membrane recruitment and beta-gamma G protein dimer-dependent activation requires HRAS bound to PIK3CG. Recruits of the PI3K gamma complex to a PDE3B:RAPGEF3 signaling complex involved in angiogenesis; signaling seems to involve RRAS.

PIK3R6 Antibody - References

Voigt P.,et al.J. Biol. Chem. 281:9977-9986(2006).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Wilson L.S.,et al.J. Biol. Chem. 286:16285-16296(2011).