

PIK3R6 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15951**Specification**

PIK3R6 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q5UE93
Other Accession	NM_001010855 , NP_001010855
Reactivity	Human, Mouse, Rat, Pig, Horse, Guinea Pig
Predicted	Human, Mouse, Rat, Pig, Horse, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84kDa KDa

PIK3R6 Antibody - C-terminal region - Additional Information**Gene ID** 146850**Alias Symbol** C17orf38, HsT41028, p84, p87(PIKAP), p87PIKAP**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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-PIK3R6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

PIK3R6 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PIK3R6 Antibody - C-terminal region - 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

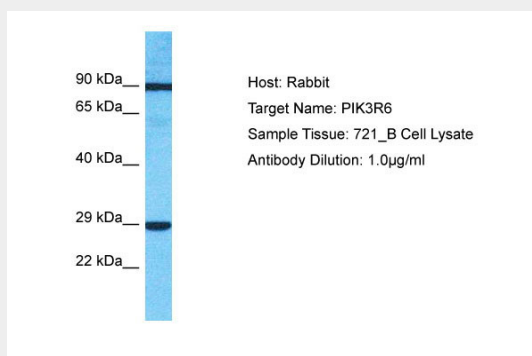
Cytoplasm {ECO:0000250|UniProtKB:Q3U6Q4}. Cell membrane {ECO:0000250|UniProtKB:Q3U6Q4}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q3U6Q4}. Note=Translocated to the plasma membrane in a Ras-dependent manner. {ECO:0000250|UniProtKB:Q3U6Q4}

PIK3R6 Antibody - C-terminal region - 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 - C-terminal region - Images



Host: Rabbit
Target Name: PIK3R6
Sample Tissue: 721_B Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

PIK3R6 Antibody - C-terminal region - 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 - C-terminal region - 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).