

PIK3R6 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15951

Product Information

Application	WB
Primary Accession	Q5UE93
Other Accession	NM_001010855 , NP_001010855
Reactivity	Human, Mouse, Rat, Pig, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Pig, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84258

Additional Information

Gene ID	146850
Alias Symbol Other Names	C17orf38, HsT41028, p84, p87(PIKAP), p87PIKAP 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 μ l 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.

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}

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.

References

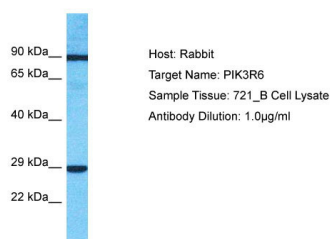
Voigt P.,et al.J. Biol. Chem. 281:9977-9986(2006).

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).

Images



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

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