10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PIK3R6 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51817

Product Information

Application	WB
Primary Accession	Q5UE93
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84258

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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PIK3R6. The exact sequence is proprietary.
Dilution	WB~~1:1000
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

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

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