

Anti-PI 3 Kinase R4 Rabbit Monoclonal Antibody

Catalog # ABO15935

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	Q99570
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-PI 3 Kinase R4 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

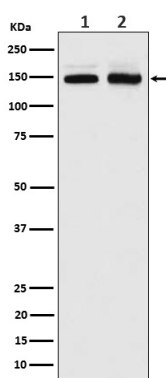
Gene ID	30849
Other Names	Phosphoinositide 3-kinase regulatory subunit 4, PI3-kinase regulatory subunit 4, 2.7.11.1, PI3-kinase p150 subunit, Phosphoinositide 3-kinase adaptor protein, PIK3R4, VPS15 {ECO:0000303 PubMed:23878393}
Calculated MW	153103
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 25P13
Immunogen	A synthesized peptide derived from human PI 3 Kinase R4
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	PIK3R4
Synonyms	VPS15 {ECO:0000303 PubMed:23878393}

Function	Regulatory subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2 (PubMed: 20643123).
Cellular Location	Late endosome. Cytoplasmic vesicle, autophagosome. Membrane; Lipid-anchor. Note=As component of the PI3K complex I localized to pre-autophagosome structures. As component of the PI3K complex II localized predominantly to endosomes. Localizes also to discrete punctae along the ciliary axoneme (By similarity) {ECO:0000250 UniProtKB:Q8VD65, ECO:0000305}
Tissue Location	Ubiquitously expressed.

Images



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