

KD-Validated Anti-PIK3R4 Rabbit Monoclonal Antibody

Rabbit monoclonal Antibody

Catalog # AGI2215

Product Information

Application	WB, FC
Primary Accession	Q99570
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB325
Calculated MW	153103
Gene Name	PIK3R4
Aliases	PIK3R4; Phosphoinositide-3-Kinase Regulatory Subunit 4; VPS15; P150; Phosphoinositide 3-Kinase Regulatory Subunit 4; Phosphoinositide 3-Kinase Adaptor Protein; PI3-Kinase Regulatory Subunit 4; PI3-Kinase P150 Subunit; EC 2.7.11.1; Phosphoinositide-3-Kinase, Regulatory Subunit 4, P150; Phosphoinositide-3-Kinase, Regulatory Subunit 4; Phosphatidylinositol 3-Kinase-Associated P150
Immunogen	A synthesized peptide derived from human PIK3R4

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}

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.

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