

Rabbit PIK3R4 Polyclonal Antibody | anti-PIK3R4 antibody

PIK3R4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40566	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PIK3R4; Polyclonal Antibody; PIK3R4 Antibody; Phosphoinositide-3-kinase regulatory subunit 4; p150; Phosphoinositide 3-kinase adaptor protein; PI3-kinase p150 subunit; PI3-kinase regulatory subunit 4; VPS15; phosphoinositide 3-kinase regulatory subunit 4; anti-PIK3R4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PIK3R4 antibody is human, mouse and rat reactive.
Purity/Purification	PIK3R4 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1358
Applicable Applications for anti-PIK3R4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PIK3R4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PIK3R4.
Buffer	PIK3R4 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PIK3R4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



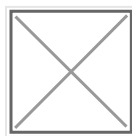
IF (Immunofluorescence)

Immunofluorescence of PIK3R4 in human tonsil tissue with PIK3R4 antibody at 20 μg/ml.



IHC (Immunohistochemistry)

Immunohistochemistry of PIK3R4 in human tonsil tissue with PIK3R4 antibody at 5 μg/ml.



WB (Western Blot)

Western blot analysis of PIK3R4 in human tonsil tissue lysate with PIK3R4 antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R4 antibody	PIK3R4 (phosphoinositide-3-kinase regulatory subunit 4, also known as VPS15) is a 150kD adaptor protein that enhances the lipid kinase activity of PIK3 complexes and may be involved in regulating membrane trafficking late in the endocytic pathway and autophagy (1,2). PIK3R4 is ubiquitously expressed and contains 7 WD repeats, 3 HEAT repeats and 1 protein kinase domain (1). PIK3R4 is crucial for VPS34 function and is necessary for autophagosome formation in multicellular animals and reveal an important role of VPS15 in cellular protection against ubiquitin-positive protein aggregates (3-5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23943912
NCBI GeneID	30849
NCBI Accession #	NP_055417
NCBI GenBank Nucleotide #	NM_014602.2
UniProt Accession #	Q99570; Q2TBF4
Molecular Weight	Predicted: 149 kDa Observed: 140 kDa
NCBI Official Full Name	phosphoinositide 3-kinase regulatory subunit 4
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 4
NCBI Official Symbol	PIK3R4
NCBI Official Synonym Symbols	p150; VPS15
NCBI Protein Information	phosphoinositide 3-kinase regulatory subunit 4; PI3-kinase p150 subunit; PI3-kinase regulatory subunit 4; phosphoinositide 3-kinase adaptor protein; phosphatidylinositol 3-kinase-associated p150; phosphoinositide-3-kinase, regulatory subunit 4, p150
UniProt Protein Name	Phosphoinositide 3-kinase regulatory subunit 4
UniProt Gene Name	PIK3R4
UniProt Synonym Gene Names	PI3-kinase regulatory subunit 4
UniProt Entry Name	PI3R4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pik3r4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40566>