

Anti-PIK3R4 Antibody

Catalog Number: A06618

About PIK3R4

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).

Overview

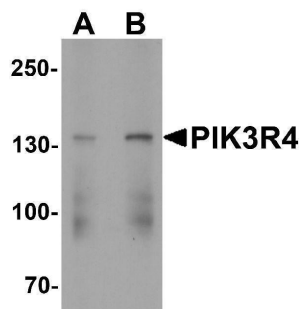
Product Name	Anti-PIK3R4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PIK3R4 Antibody (Catalog # A06618). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PIK3R4 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PIK3R4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q99570

Technical Details

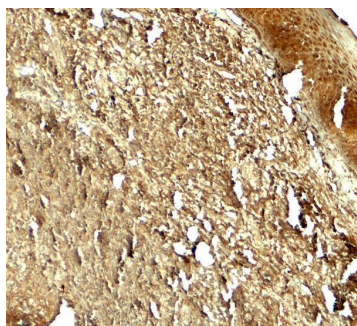
Immunogen	PIK3R4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PIK3R4. The immunogen is located within amino acids 1290 - 1340 of PIK3R4.
Predicted Reactive Species	Bovine
Cross Reactivity	PIK3R4 antibody is human, mouse and rat reactive.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PIK3R4 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PIK3R4 antibody can be used for detection of PIK3R4 by Western blot at 1 - 2 ug/ml. Antibody can

also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

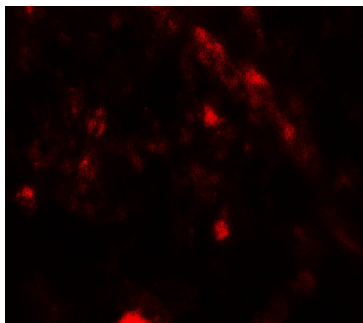
Anti-PIK3R4 Antibody (A06618) Images



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



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



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

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Anti-PIK3R4 Antibody

For Research Use Only. Not for use in diagnostic procedures.