

PIK3R4 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS17114**Specification**

PIK3R4 Antibody (C-Terminus) - Product Information

Application	IHC, IF
Primary Accession	O99570
Other Accession	30849
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	153103

PIK3R4 Antibody (C-Terminus) - Additional Information**Gene ID** 30849**Other Names**

PIK3R4, Adaptor protein p150, p150, PI3-kinase p150 subunit, VPS15

Target/Specificity

PIK3R4 antibody is human, mouse and rat reactive.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

PIK3R4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PIK3R4 Antibody (C-Terminus) - 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.

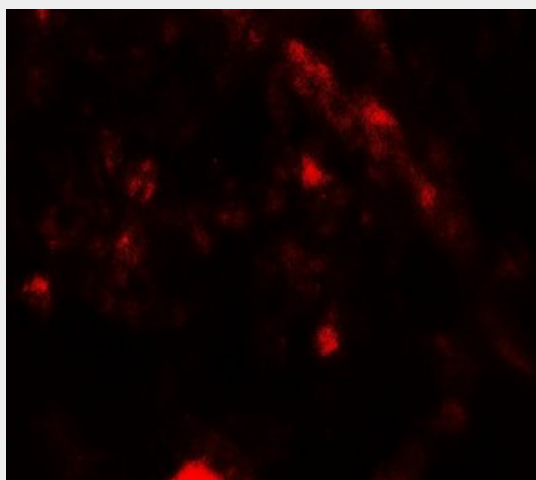
PIK3R4 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PIK3R4 Antibody (C-Terminus) - Images

Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



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

PIK3R4 Antibody (C-Terminus) - Background

Regulatory subunit of the PI3K complex. May regulate membrane trafficking late in the endocytic

pathway.

PIK3R4 Antibody (C-Terminus) - References

Panaretou C.,et al.J. Biol. Chem. 272:2477-2485(1997).
Stein M.P.,et al.Traffic 4:754-771(2003).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Oppermann F.S.,et al.Mol. Cell. Proteomics 8:1751-1764(2009).