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Product datasheet for TA349094

PI 3 Kinase regulatory subunit 4 (PIK3R4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PIK3R4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PIK3R4.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	PIK3R4 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 149 kDa; Observed: 140 kDa
Gene Name:	phosphoinositide-3-kinase regulatory subunit 4
Database Link:	NP_055417 Entrez Gene 30849 Human Q99570
Background:	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).
Synonyms:	SCCD; TERE1

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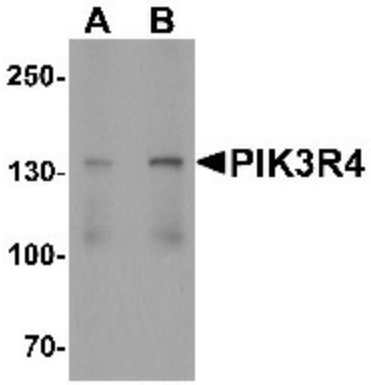
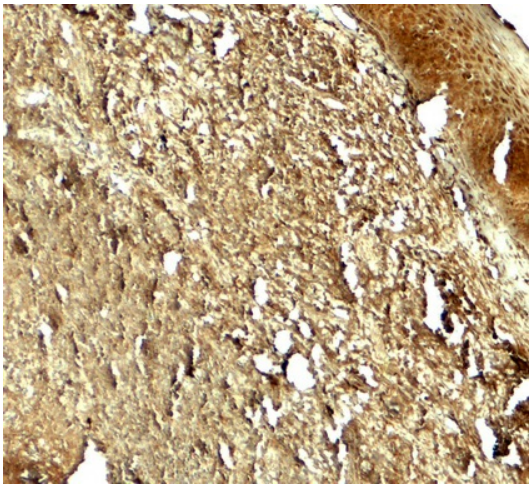
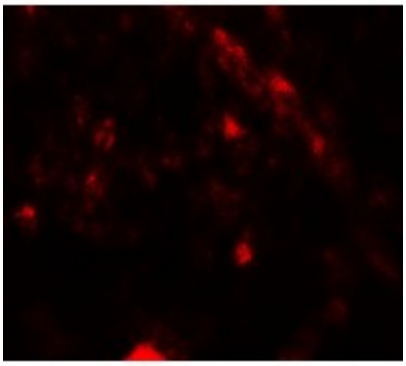
Product images:



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.