



VPS34 Polyclonal Antibody

Catalog Number PA5-35215

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / Ig	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 14-39 amino acids from human PI3KC3	Immunocytochemistry (ICC/IF)	1:200
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with mouse, porcine, rat and Xenopus based on sequence homology.

Background/Target Information

PIK3C3 (hVPS34) is the sole class III member of the PI3 Kinase family. PIK3C3 phosphorylates phosphatidylinositol (PI) to produce phosphatidylinositol 3-phosphate [PI(3)P], which recruits downstream effectors containing FYVE and Phox domains to membranes. PIK3C3 is involved in coupling nutrient signaling to mTOR and also plays a role in autophagy and intracellular trafficking. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2. Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for transport from early to late endosomes.

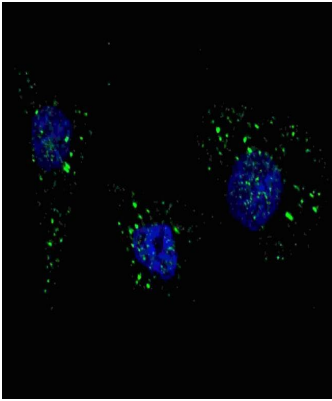
For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

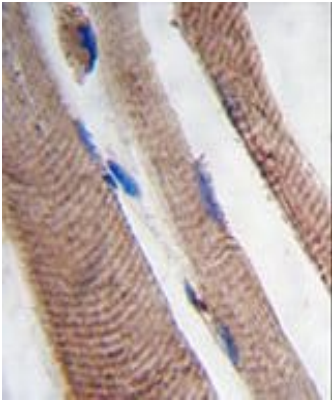
NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

Product Images For VPS34 Polyclonal Antibody



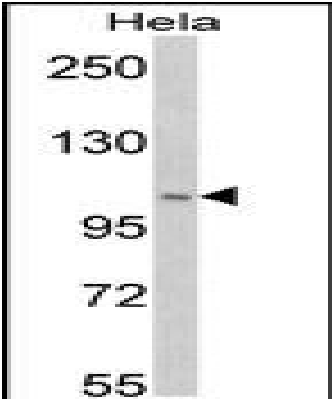
VPS34 Antibody (PA5-35215) in ICC/IF

Immunofluorescent analysis of PI3KC3 showing staining in the cytoplasm of U-251 cells. U251 cells were treated with Chloroquine (50uM, 16h), fixed with 4% PFA (20 min) and permeabilized with Triton X-100 (0.2%, 30 min). Cells were probed with a PI3KC3 polyclonal antibody (Product # PA5-35215) (1:100, 2h at room temperature) followed by detection using a fluorescent conjugated secondary antibody (green) (1:1000, 1h). Nuclei were stained with Hoechst 33342 (blue) (10 µg/mL, 5 min).



VPS34 Antibody (PA5-35215) in IHC (P)

Immunohistochemistry analysis of PI3KC3 in formalin-fixed, paraffin-embedded human skeletal muscle tissue using a PI3KC3 polyclonal antibody (Product # PA5-35215) followed by DAB staining.



VPS34 Antibody (PA5-35215) in WB

Western blot analysis of PI3KC3 in Hela cell lysate (35 µg/lane) using a PI3KC3 polyclonal antibody (Product # PA5-35215).

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.