

## Product datasheet for **TA324651**

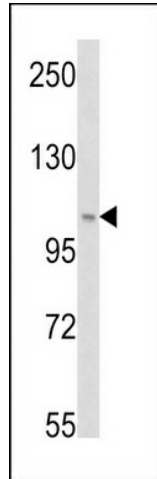
### PI 3 Kinase Class 3 (PIK3C3) Rabbit Polyclonal Antibody

#### Product data:

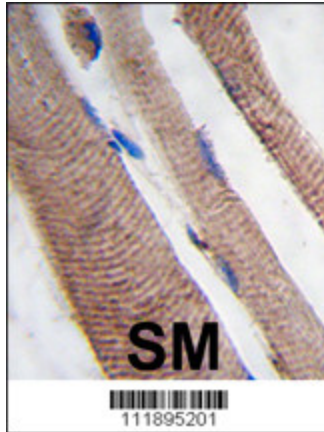
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	IF: 1:200, WB: 1:1000, IHC: 1:10~50
Reactivity:	Human (Predicted: Mouse, Rat, Pig, Xenopus)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This PI3KC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-39 amino acids from human PI3KC3.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	101549 Da
Gene Name:	phosphatidylinositol 3-kinase catalytic subunit type 3
Database Link:	<a href="#">NP_002638</a> <a href="#">Entrez Gene 65052 RatEntrez Gene 225326 MouseEntrez Gene 5289 Human</a> <a href="#">Q8NEB9</a>
Synonyms:	hVps34; VPS34; Vps34
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of autophagy



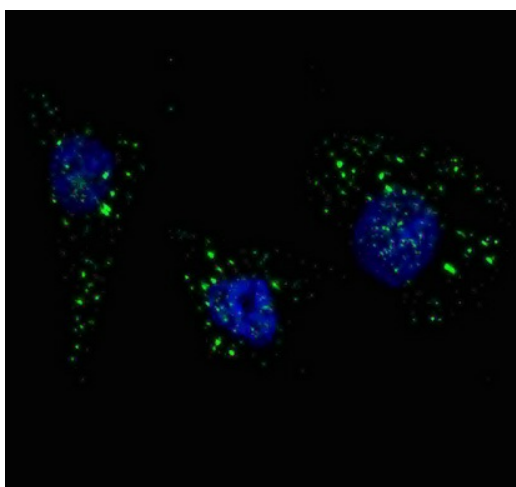
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**Product images:**

Western blot analysis of PI3KC3 (S34) (Cat. #TA324651) in HeLa cell line lysates (35ug/lane). PI3KC3 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PI3KC3 Antibody (S34), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF image of U251 cells stained with PI3KC3 (S34) antibody. U251 cells were treated with Chloroquine, then incubated with TA324651 PI3KC3 (S34) primary antibody (1:200, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue). PI3KC3 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.