

Product datasheet for **TA324651S**

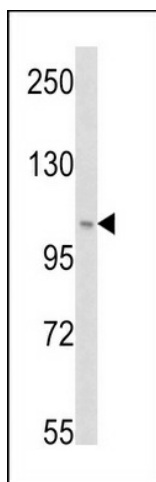
PI 3 Kinase Class 3 (PIK3C3) Rabbit Polyclonal Antibody

Product data:

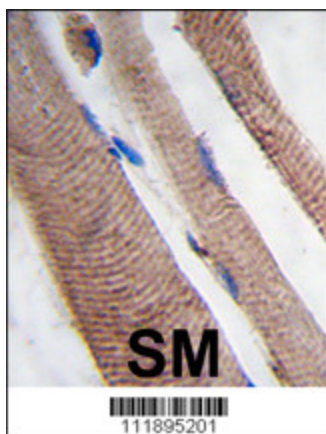
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	IF: 1:200, WB: 1:1000, IHC: 1:10~50
Reactivity:	Human (Predicted: Mouse, Rat, Pig, Xenopus)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This PI3KC3 antibody is generated from rabbits immunized with a KLH conjugated 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:	NP_002638 Entrez Gene 65052 Rat Entrez Gene 225326 Mouse Entrez Gene 5289 Human Q8NEB9
Synonyms:	hVps34; VPS34; Vps34
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of autophagy



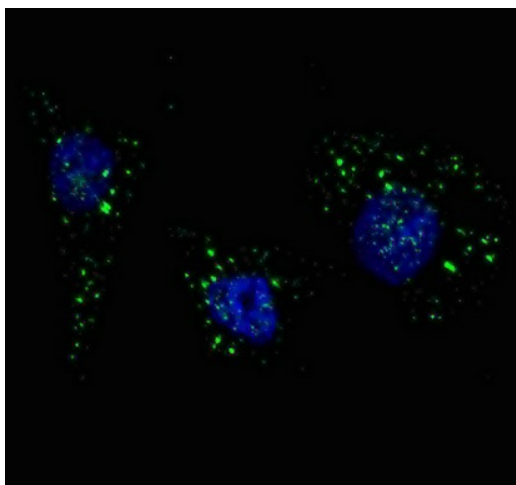
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Product images:

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.