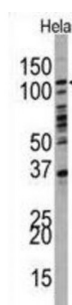
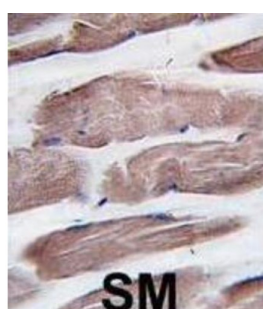
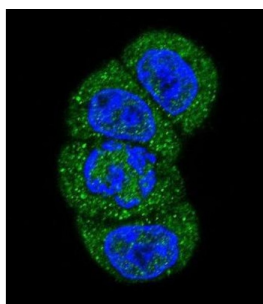


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Phosphatidylinositol 3-Kinase Catalytic Subunit Type 3 (PI3KC3) Antibody

Catalogue No.: abx030368



PI3KC3 is a catalytic subunit of the PI3K complex involved in the transport of lysosomal enzyme precursors to lysosomes. This enzyme acts catalytically to convert 1-phosphatidyl-1D-myo-inositol to 1-phosphatidyl-1D-myo-inositol 3-phosphate.

Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). The regulation of the Beclin 1-PI3KC3 complex lipid kinase activity is a critical element in the autophagy signaling pathway.

Target: PI3KC3

Reactivity: Human

Host: Rabbit

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Clonality: Polyclonal

Tested Applications: WB, IHC, IF/ICC

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human PI3KC3.

Purification: Purified Rabbit Polyclonal Antibody.

Isotype: IgG

Conjugation: Unconjugated

Specificity: This PI3KC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-41 amino acids from the N-terminal region of human PI3KC3.

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot: [Q8NEB9](#)

NCBI Accession: NP_002638.2

Buffer: PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Note: This product is for research use only.