

## Rabbit anti-Human PIK3C3 Polyclonal Antibody | anti-PIK3C3 antibody

PIK3C3 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA233422</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

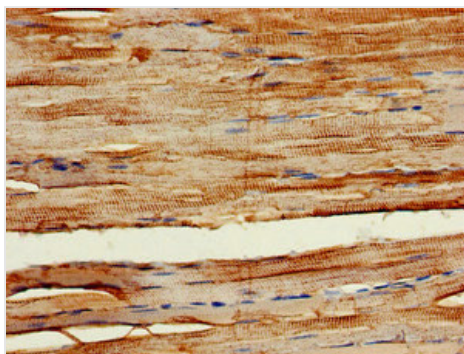
### PRODUCT SYNONYMS

PIK3C3; Polyclonal Antibody; PIK3C3 Antibody; Phosphatidylinositol 3-kinase catalytic subunit type 3; PI3-kinase type 3; PI3K type 3; PtdIns-3-kinase type 3; Phosphatidylinositol 3-kinase p100 subunit; Phosphoinositide-3-kinase class 3; hVps34; VPS34; anti-PIK3C3 antibody

### PRODUCT SPECIFICATIONS

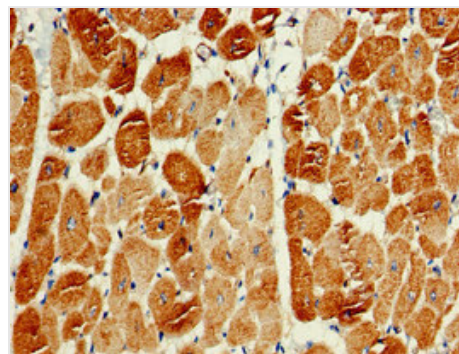
|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | >95%, Protein G purified                                                                                       |
| Form/Format                                      | Liquid                                                                                                         |
| Sequence Length                                  | 887                                                                                                            |
| Applicable Applications for anti-PIK3C3 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                           |
| Immunogen                                        | Recombinant Human Phosphatidylinositol 3-kinase catalytic subunit type 3 protein (700-850AA)                   |
| Conjugation                                      | Non-conjugated                                                                                                 |
| Preservative                                     | 0.03% Proclin 300                                                                                              |
| Constituents                                     | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



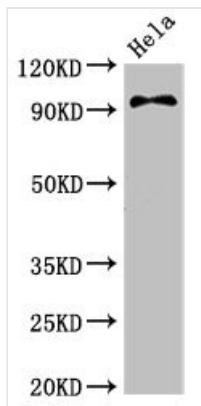
**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA233422 at dilution of 1:100



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human heart tissue using AAA233422 at dilution of 1:100



#### WB (Western Blot)

Western Blot Positive WB detected in: HeLa whole cell lysate All lanes: PIK3C3 antibody at 3.4ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 102 KDa Observed band size: 102 KDa

### ADDITIONAL INFORMATION

#### Related Product Information for anti-PIK3C3 antibody

Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123, PubMed:20208530). Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for transport from early to late endosomes (By similarity).

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 34761064                                                         |
| NCBI GeneID                      | 5289                                                             |
| NCBI Accession #                 | NP_002638.2                                                      |
| NCBI GenBank Nucleotide #        | NM_002647.3                                                      |
| UniProt Accession #              | Q8NEB9; Q15134                                                   |
| Molecular Weight                 | 101,549 Da                                                       |
| NCBI Official Full Name          | phosphatidylinositol 3-kinase catalytic subunit type 3 isoform 1 |
| NCBI Official Synonym Full Names | phosphatidylinositol 3-kinase catalytic subunit type 3           |
| NCBI Official Symbol             | PIK3C3                                                           |
| NCBI Official Synonym Symbols    | VPS34; Vps34; hVps34                                             |
| NCBI Protein Information         | phosphatidylinositol 3-kinase catalytic subunit type 3           |
| UniProt Protein Name             | Phosphatidylinositol 3-kinase catalytic subunit type 3           |
| UniProt Gene Name                | PIK3C3                                                           |
| UniProt Synonym Gene Names       | VPS34; PI3-kinase type 3; PI3K type 3; PtdIns-3-kinase type 3    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.