

Product Name: KD-Validated PIK3C3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00944

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 101.5kDa

Antigen Information

Gene Name	PIK3C3 Phosphatidylinositol 3-Kinase Catalytic Subunit Type 3; HVps34; Vps34; Phosphatidylinositol 3-Kinase P100 Subunit; Vacuolar Protein Sorting 34 Homolog; Phosphoinositide-3-Kinase,
Alternative Names	Class 3; PtdIns-3-Kinase Type 3; PI3-Kinase Type 3; EC 2.7.1.137; PI3K Type 3; Phosphatidylinositol 3-Kinase, Catalytic Subunit Type 3; Phosphoinositide-3-Kinase Class 3; EC 2.7.1; VPS34
Gene ID	5289.0
SwissProt ID	Q8NEB9
Immunogen	A synthesized peptide derived from human PI 3 Kinase Class 3

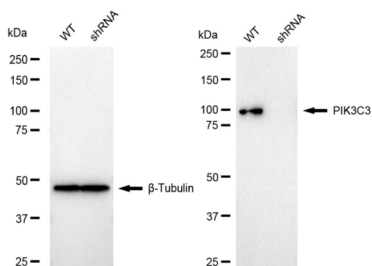
Background

Enables 1-phosphatidylinositol-3-kinase activity. Involved in several processes, including early endosome to late endosome transport; macroautophagy; and phosphatidylinositol-3-phosphate biosynthetic process. Acts upstream of or within autophagy and positive regulation of protein lipidation. Located in autolysosome; late endosome; and midbody. Part of phosphatidylinositol 3-kinase complex, class III. [provided by Alliance of Genome Resources, Jul 2025]

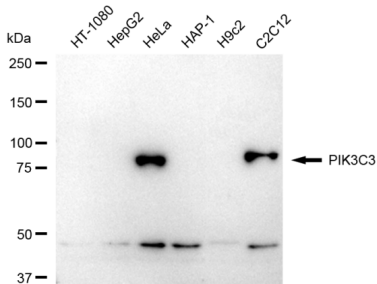
Research Area

Signal Transduction, Immunology, Metabolism

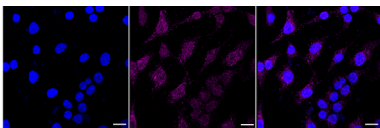
Image Data



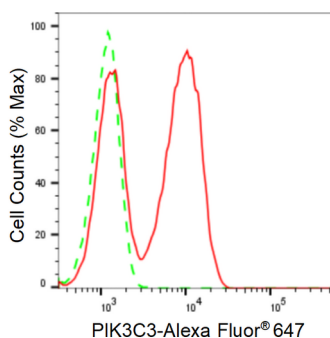
Western blotting analysis using PIK3C3 antibody (KVA00944). PIK3C3 expression in wild type (WT) and PIK3C3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PIK3C3 antibody (KVA00944, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PIK3C3 antibody (KVA00944). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PIK3C3 antibody (KVA00944, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with PIK3C3 antibody (KVA00944, 1:1,000). Nuclei were stained blue with DAPI; PIK3C3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of PIK3C3 expression in HeLa cells using PIK3C3 antibody (KVA00944, 1:2,000). Green, isotype control; red, PIK3C3.