

Product Name: KD-Validated PIK3C3 Mouse Monoclonal Antibody**Catalog #: KVA01905**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,000
Molecular Weight	Calculated MW: 101.5kDa

Antigen Information

Gene Name	PIK3C3 PIK3C3; Phosphatidylinositol 3-Kinase Catalytic Subunit Type 3; HVps34; Vps34; Phosphatidylinositol 3-Kinase P100 Subunit; Vacuolar Protein Sorting 34 Homolog;
Alternative Names	Phosphoinositide-3-Kinase, 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	Recombinant protein of human PIK3C3

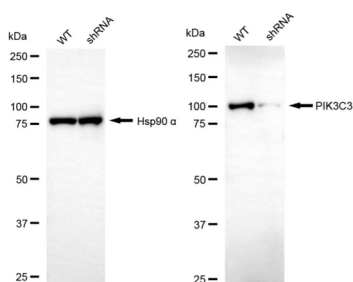
Background

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]

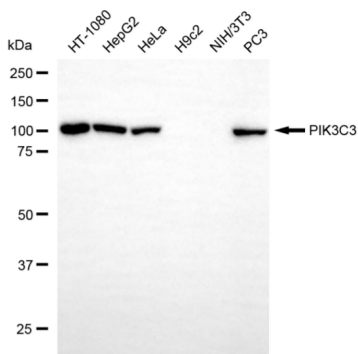
Research Area

Metabolism, Immunology, Signal Transduction

Image Data



Western blotting analysis using PIK3C3 antibody (KVA01905). PIK3C3 expression in wild-type (WT) and PIK3C3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PIK3C3 antibody (KVA01905, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using PIK3C3 antibody (KVA01905). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PIK3C3 antibody (KVA01905, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.