

Product Name: KD-Validated PIK3R4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00383

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
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 1:100-1:1,000
Molecular Weight	Calculated MW: 153.1kDa

Antigen Information

Gene Name	PIK3R4 PIK3R4; Phosphoinositide-3-Kinase Regulatory Subunit 4; VPS15; P150; Phosphoinositide 3-Kinase Regulatory Subunit 4; Phosphoinositide 3-Kinase Adaptor Protein; PI3-Kinase
Alternative Names	Regulatory Subunit 4; PI3-Kinase P150 Subunit; EC 2.7.11.1; Phosphoinositide-3-Kinase, Regulatory Subunit 4, P150; Phosphoinositide-3-Kinase, Regulatory Subunit 4; Phosphatidylinositol 3-Kinase-Associated P150
Gene ID	30849.0
SwissProt ID	Q99570
Immunogen	A synthesized peptide derived from human PIK3R4

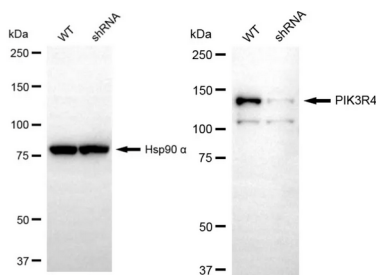
Background

Predicted to enable protein serine/threonine kinase activity. Involved in several processes, including early endosome to late endosome transport; phosphatidylinositol 3-kinase/protein kinase B signal transduction; and phosphatidylinositol-3-phosphate biosynthetic process. Located in ciliary basal body; intercellular bridge; and late endosome. Part of phosphatidylinositol 3-kinase complex, class III. [provided by Alliance of Genome Resources, Jul 2025]

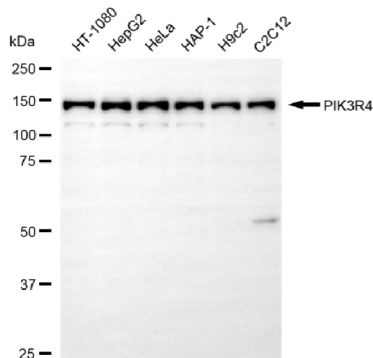
Research Area

Signal Transduction

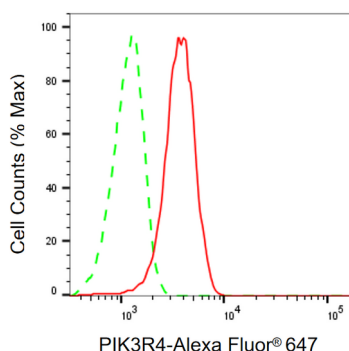
Image Data



Western blotting analysis using PIK3R4 antibody (KVA00383). PIK3R4 expression in wild-type (WT) and PIK3R4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PIK3R4 antibody (KVA00383, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PIK3R4 antibody (KVA00383). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PIK3R4 antibody (KVA00383, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of PIK3R4 expression in HepG2 cells using PIK3R4 antibody (KVA00383, 1:2,000). Green, isotype control; red, PIK3R4.