

[KD Validated] Anti-PIK3R4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

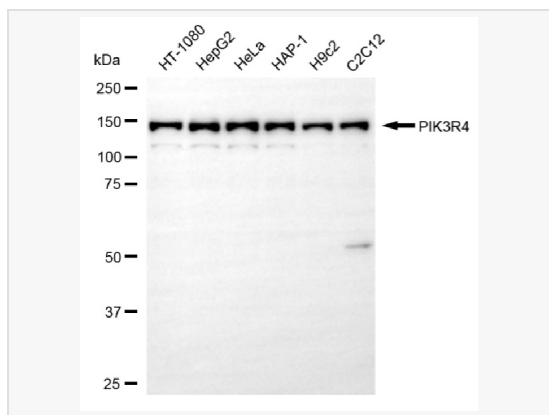
Catalog # R020455

Product Information

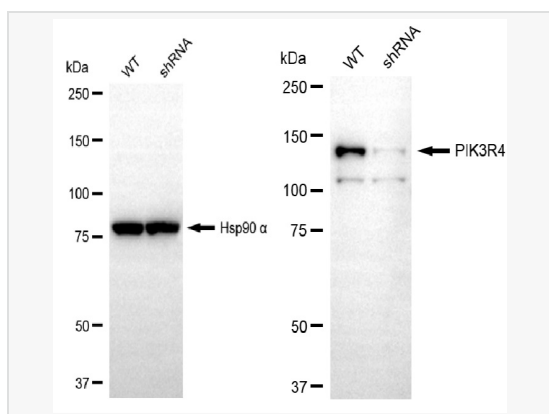
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	75B09R38
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PIK3R4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-PIK3R4 Rabbit mAb [75B09R38] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

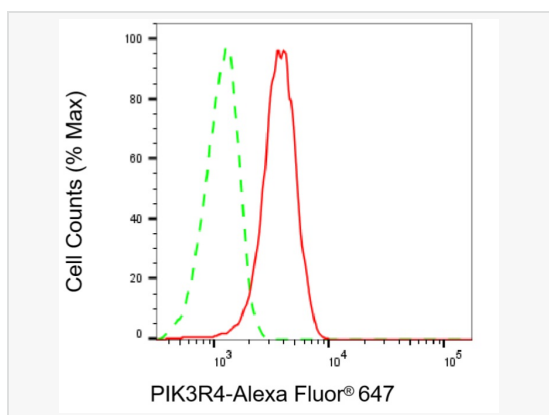
Synonyms	PIK3R4; Phosphoinositide-3-Kinase Regulatory Subunit 4; VPS15; P150; Phosphoinositide 3-Kinase Regulatory Subunit 4; Phosphoinositide 3-Kinase Adaptor Protein; PI3-Kinase Regulatory Subunit 4; PI3-Kinase P150 Subunit; EC 2.7.11.1; Phosphoinositide-3-Kinase, Regulatory Subunit 4, P150; Phosphoinositide-3-Kinase, Regulatory Subunit 4; Phosphatidylinositol 3-Kinase-Associated P150.
Calculated MW	Calculated MW: 153 kDa; Observed MW: 149 kDa
Uniprot ID	Q99570
Gene ID	30849
Background	Regulatory 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 cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123).
Tissue Location	Ubiquitously expressed.



Western blotting analysis using PIK3R4 antibody (R020455). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PIK3R4 antibody (R020455, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using PIK3R4 antibody (R020455). PIK3R4 expression in wild-type (WT) and PIK3R4 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PIK3R4 antibody (R020455, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Flow cytometric analysis of PIK3R4 expression in HepG2 cells using PIK3R4 antibody (R020455, 1:2,000). Green, isotype control; red, PIK3R4.