

KD-Validated Anti-AMPK alpha 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

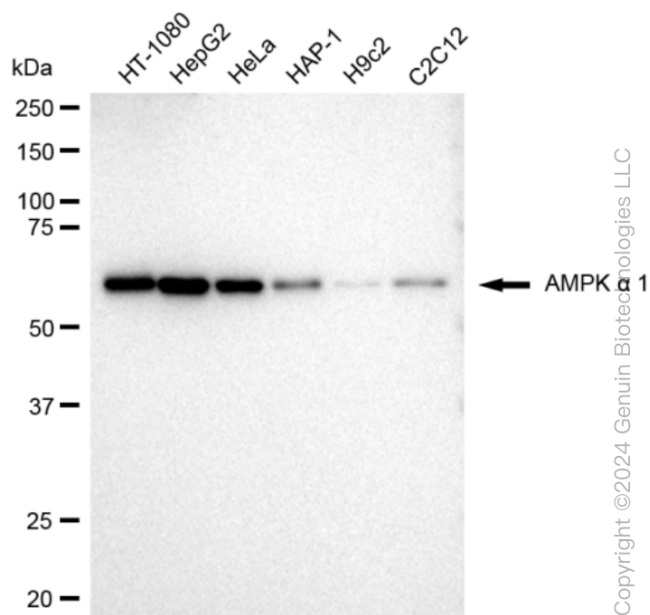
ABG1270

Product Overview

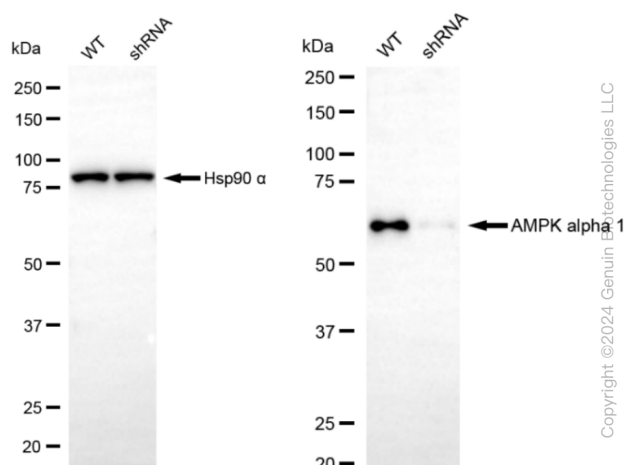
Name	KD-Validated Anti-AMPK alpha 1 Rabbit Monoclonal Antibody
Accession(Primary)	Q13131
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human AMPK alpha 1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 64 kDa , observed, 63 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (Q13131)

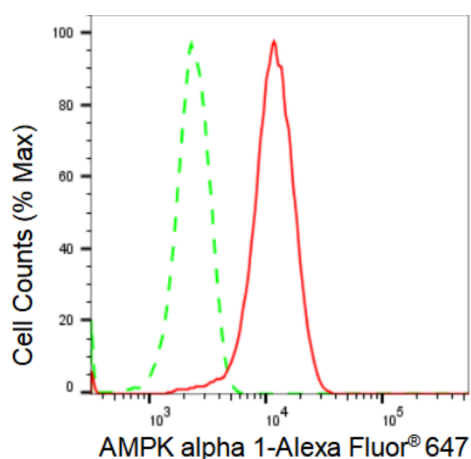
Gene Name	PRKAA1
About Gene Symbol	PRKAA1 (Protein Kinase AMP-Activated Catalytic Subunit Alpha 1) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is



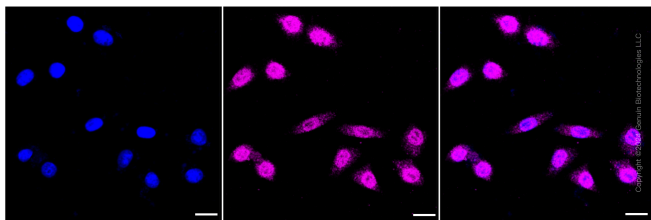
Western blotting analysis using anti-AMPK alpha 1 antibody (Cat#ABG1270). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AMPK alpha 1 antibody (Cat#ABG1270, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-AMPK alpha 1 antibody (Cat#ABG1270). AMPK alpha 1 expression in wild type (WT) and AMPK alpha 1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-AMPK alpha 1 antibody (Cat#ABG1270, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of AMPK alpha 1 expression in HepG2 cells using AMPK alpha 1 antibody (Cat#ABG1270, 1:2,000). Green, isotype control; red, AMPK alpha 1.



Immunocytochemical staining of HepG2 cells with AMPK alpha 1 antibody (Cat#ABG1270, 1:1,000).

Nuclei were stained blue with DAPI; AMPK alpha 1 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 μ m.