AMPK alpha-1 Polyclonal Antibody

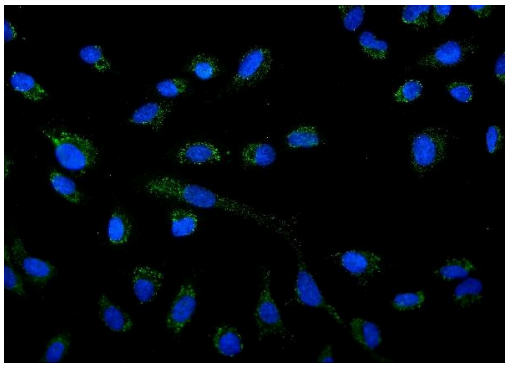
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human AMPK alpha 1 recombinant protein (Position: F377-R446).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807319

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-
ELISA (ELISA)	0.1-0.5 µg/mL	-

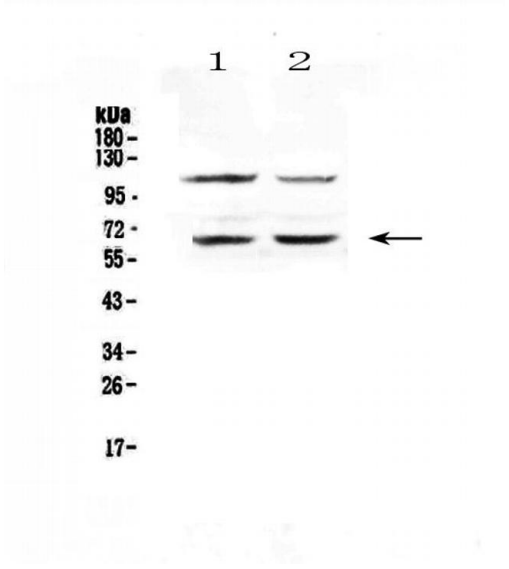
Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

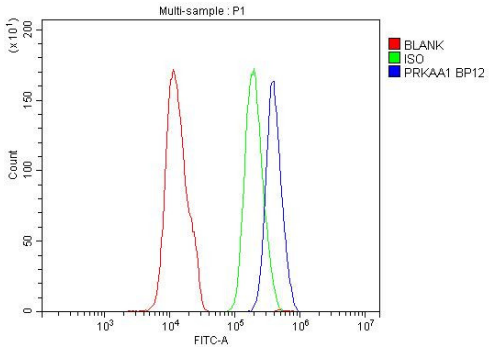
Product Images For AMPK alpha-1 Polyclonal Antibody



AMPK alpha-1 Antibody (PA5-95517) in ICC/IF
Immunocytochemistry analysis of AMPK alpha 1 using anti-AMPK alpha 1 antibody (Product # PA5-95517) . AMPK alpha 1 was detected in a section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum and then incubated with 2g/mL rabbit anti-AMPK alpha 1 antibody (Product # PA5-95517) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37° C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



AMPK alpha-1 Antibody (PA5-95517) in WB
Western blot analysis of AMPK alpha-1 in Lane 1: human PANC-1 whole cell lysates, Lane 2: human Jurkat whole cell lysates. Electrophoresis was performed with 5-20% SDS-PAGE gel (70V, Stacking gel; 90V Resolving gel, Time: 2-3 hours), transferred to a nitrocellulose membrane and blocked using 5% Non-fat Milk/TBS (1.5 hrs at room temperature). Samples were incubated with AMPK alpha-1 polyclonal antibody (Product # PA5-95517) using a 0.5 µg/mL dilution, followed by a goat anti-rabbit IgG-HRP at a dilution of 1:10,000, and developed with enhanced chemiluminescence (ECL).



AMPK alpha-1 Antibody (PA5-95517) in Flow
Flow Cytometry of AMPK alpha-1 in SiHa cells (blue line), isotype control rabbit IgG (green line) and unlabeled (red line). Samples were blocked with 10% goat serum, incubated with AMPK alpha-1 Polyclonal Antibody (Product # PA5-95517) at a dilution of 1 g (per 1x10^6 cells), followed by DyLight®488 conjugated goat anti-rabbit IgG (for 30 minutes at 20°C) using 5-10 g (per 1x10^6 cells) dilution.

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