

# Product Datasheet

## AMPK alpha 1 Antibody (SU03-48) NBP2-67472

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 1/3/2023 v.20.1

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**NBP2-67472**

AMPK alpha 1 Antibody (SU03-48)

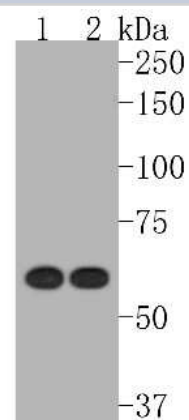
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SU03-48
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	PRKAA1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human AMPK alpha 1 aa 501-550 / 559. (SwissProt: Q13131 Human; SwissProt: Q5EG47 Mouse; SwissProt: P54645 Rat)

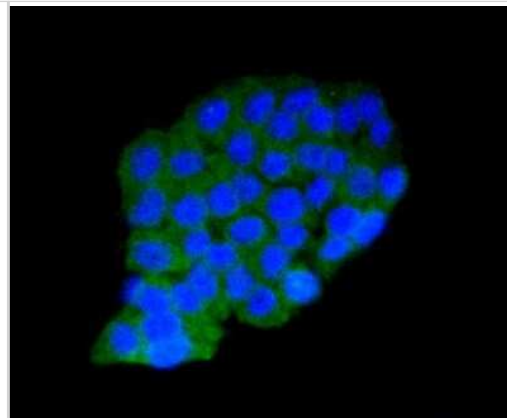
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:50-1:100, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation

**Images**

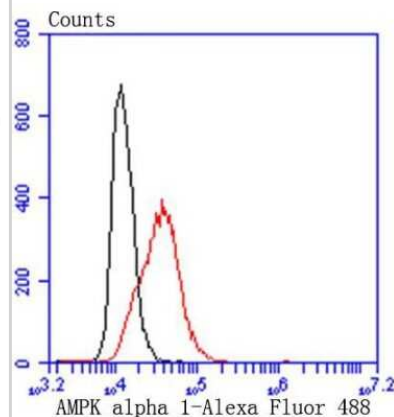
Western Blot: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Western blot analysis of AMPK alpha 1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat A



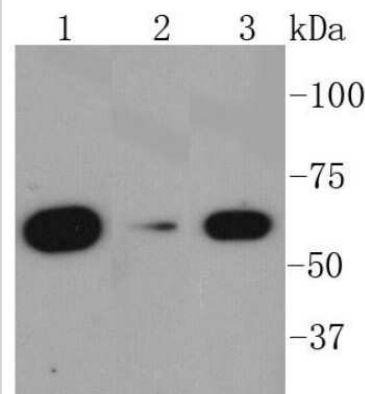
Immunocytochemistry/Immunofluorescence: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Staining AMPK alpha 1 in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



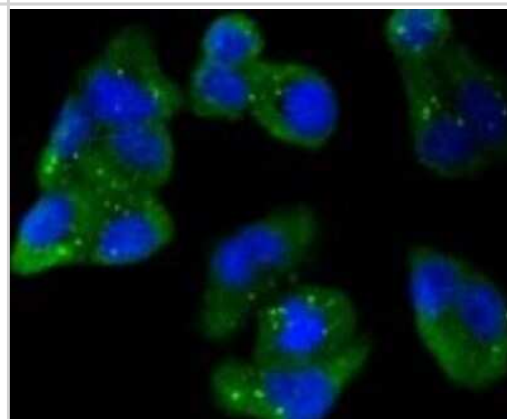
Flow Cytometry: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Analysis of Hela cells with AMPK alpha 1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



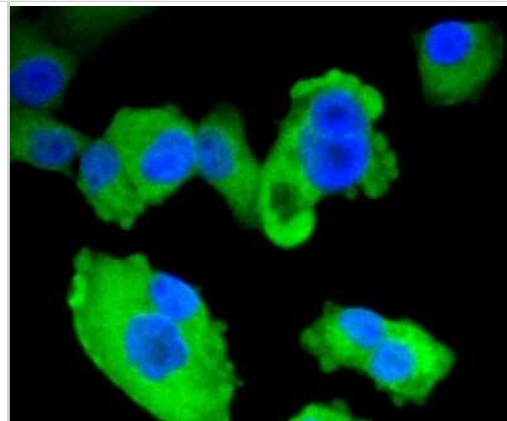
Western Blot: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Analysis of AMPK alpha 1 on different lysates using anti-AMPK alpha 1 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: HepG2 Lane 3: MCF-7



Immunocytochemistry/Immunofluorescence: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Staining AMPK alpha 1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: AMPK alpha 1 Antibody (SU03-48) [NBP2-67472] - Staining AMPK alpha 1 in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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