

Product Datasheet

AMPK alpha 1 Antibody (2B7) - Azide and BSA Free NBP2-80575

Unit Size: 0.1 ml

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

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NBP2-80575

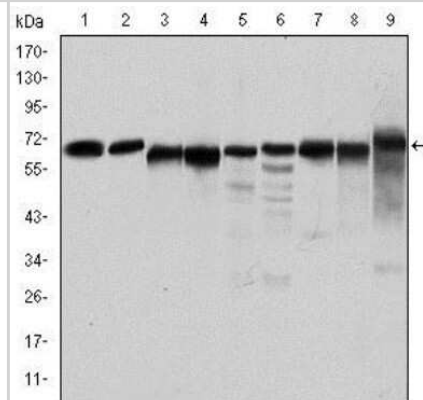
AMPK alpha 1 Antibody (2B7) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B7
Preservative	No Preservative
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	64 kDa
Product Description	
Host	Mouse
Gene ID	5562
Gene Symbol	PRKAA1
Species	Human, Mouse, Rat, Primate
Immunogen	Purified recombinant fragment of human AMPK alpha 1 expressed in E. coli. [UniProt# Q13131]
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500, Simple Western 1:50, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	<p>This AMPK alpha 1 (2B7) antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections, Immunocytochemistry/Immunofluorescence, Flow Cytometry and ELISA.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:50. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

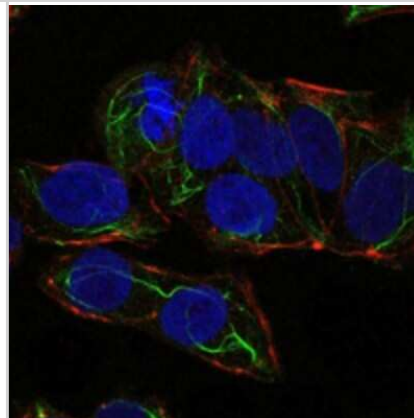


Images

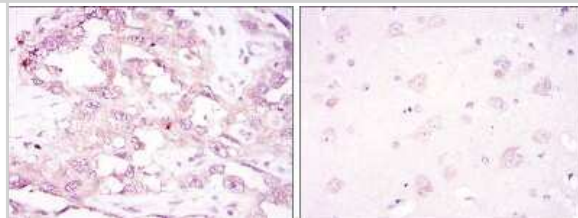
Western Blot: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Western blot analysis using AMPK alpha 1 mouse mAb against Jurkat (1), Hela (2), HepG2 (3), MCF-7 (4), Cos7 (5), NIH/3T3 (6), K562 (7), HEK293 (8), and PC-12 (9) cell lysate. Image from the standard format of this antibody.



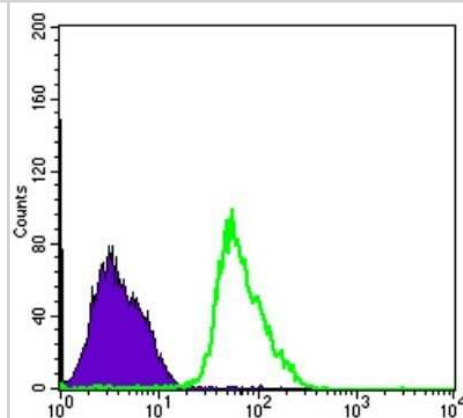
Immunocytochemistry/Immunofluorescence: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Immunofluorescence analysis of NTERA-2 cells using AMPK alpha 1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Image from the standard format of this antibody.



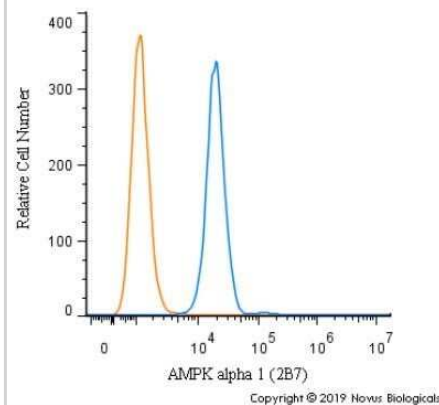
Immunohistochemistry: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and brain tissues (right) using AMPK alpha 1 mouse mAb with DAB staining. Image from the standard format of this antibody.



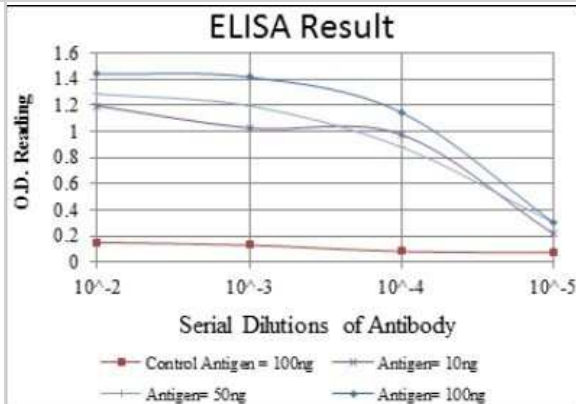
Flow Cytometry: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Flow cytometric analysis of PC-2 cells using AMPK alpha 1 mouse mAb (green) and negative control (purple). Image from the standard format of this antibody.



Flow Cytometry: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - An intracellular stain was performed on RH-30 cells with AMPK alpha 1 Antibody (2B7) NBP2-22127PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Phycoerythrin.



ELISA: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng). Image from the standard format of this antibody.



Simple Western: AMPK alpha 1 Antibody (2B7) - Azide and BSA Free [NBP2-80575] - Simple Western lane view shows a specific band for AMPK Alpha 1 in 0.5 mg/ml of HepG2 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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Products Related to NBP2-80575

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51992-0.1mg	Recombinant Human AMPK alpha 1 His Protein

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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