

Product Datasheet

AMPK alpha 2 Antibody (1G8) - Azide and BSA Free H00005563-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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H00005563-M02

AMPK alpha 2 Antibody (1G8) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description

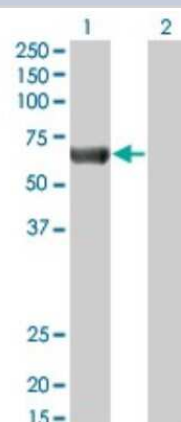
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5563
Gene Symbol	PRKAA2
Species	Human
Specificity/Sensitivity	PRKAA2 - protein kinase, AMP-activated, alpha 2 catalytic subunit
Immunogen	PRKAA2 (NP_006243, 453 a.a. ~ 552 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSLQLYLVDNRSYLLDFKSIDDEVVEQRSGSSTPQRSCSAAGLHRPRSSFDST TAESHSLSGSLTGSLTGSTLSSVSPRLGSHMTDFFEMCASLITTLAR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

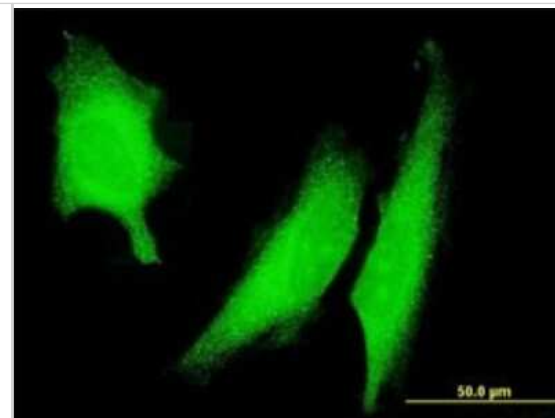
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Proximity Ligation Assay, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Proximity Ligation Assay, Knockdown Validated
Application Notes	Antibody reactivity against transfected lysate and recombinant protein for WB. It has been used for RNAi Validation and ELISA.

Images

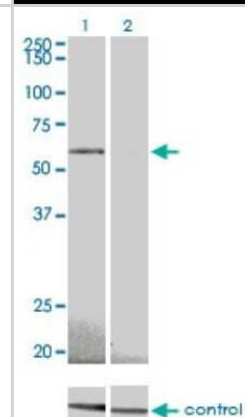
Western Blot: AMPK alpha 2 Antibody (1G8) [H00005563-M02] - Analysis of PRKAA2 expression in transfected 293T cell line by PRKAA2 monoclonal antibody (M02), clone 1G8. Lane 1: PRKAA2 transfected lysate (62.3 KDa). Lane 2: Non-transfected lysate.



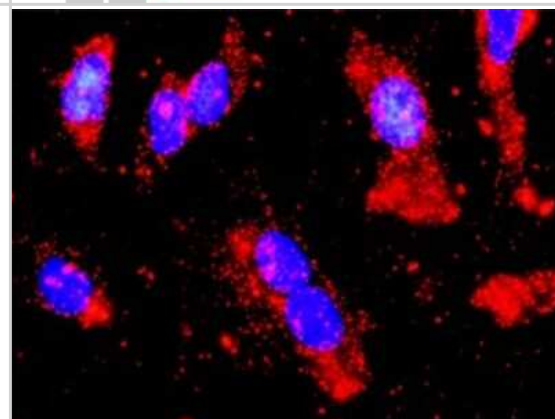
Immunocytochemistry/Immunofluorescence: AMPK alpha 2 Antibody (1G8) [H00005563-M02] - Analysis of monoclonal antibody to PRKAA2 on HeLa cell . Antibody concentration 10 ug/ml.



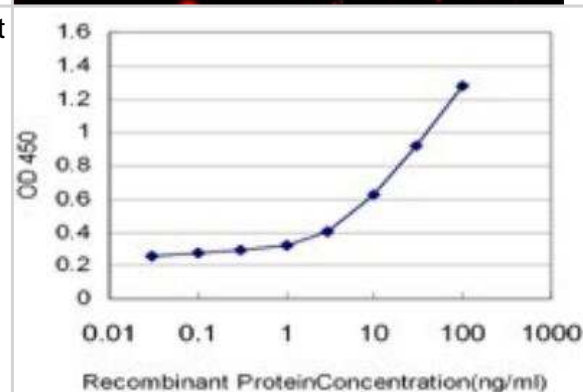
Western Blot: AMPK alpha 2 Antibody (1G8) [H00005563-M02] - Analysis of PRKAA2 over-expressed 293 cell line, cotransfected with PRKAA2 Validated Chimera RNAi (Cat # H00005563-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PRKAA2 monoclonal antibody (M02) clone 1G8 (Cat # H00005563-M02). GAPDH (36.1 kDa) used as specificity and loading control.



Proximity Ligation Assay: AMPK alpha 2 Antibody (1G8) [H00005563-M02] - Analysis of protein-protein interactions between STK11 and PRKAA2. HeLa cells were stained with anti-STK11 rabbit purified polyclonal 1:1200 and anti-PRKAA2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



ELISA: AMPK alpha 2 Antibody (1G8) [H00005563-M02] - Detection limit for recombinant GST tagged PRKAA2 is approximately 0.03ng/ml as a capture antibody.





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Products Related to H00005563-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00005563-Q01-10ug	Recombinant Human AMPK alpha 2 GST (N-Term) 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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