bs-14318R

## [ Primary Antibody ]

## phospho-AMPK alpha 1 (Ser356) Rabbit pAb



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– DATASHEET ———		
Host: Rabbit	<b>Isotype:</b> IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal	Ū.	IHC-P (1:100-500) IHC-F (1:100-500)
GenelD: 5562		IF (1:100-500)
Target: AMPK alpha	L (Ser356)	Flow-Cyt (1ug/Test)
<b>Immunogen:</b> KLH conjugat AMPK alpha 3 S)PP.	ted Synthesised phosphopeptide derived from human Laround the phosphorylation site of Ser356: AT(p-	<b>Reactivity:</b> Human, Mouse (predicted: Rat, Pig, Sheep, Cow, Dog, Horse)
Purification: affinity purifi	ed by Protein A	
Concentration: 1mg/ml		Predicted MW.: <sup>64 kDa</sup>
<b>Storage:</b> 0.01M TBS (p Glycerol. Shipped at 4' freeze/thaw o	H7.4) with 1% BSA, 0.02% Proclin300 and 50% °C. Store at -20°C for one year. Avoid repeated cycles.	Subcellular Location: <sup>Cytoplasm</sup> ,Nucleus
Background: The protein e kinase family activated pro conserved in activated by AMPK regulat enzymes thro that cause AT biosynthetic encoding dis	encoded by this gene belongs to the ser/thr protein . It is the catalytic subunit of the 5'-prime-AMP- . It is the catalytic subunit of the 5'-prime-AMP- . It is the catalytic subunit of the 5'-prime-AMP- . It is the catalytic subunit of the solution of the sensor all eukaryotic cells. The kinase activity of AMPK is the stimuli that increase the cellular AMP/ATP ratio. . It is the activities of a number of key metabolic . Dugh phosphorylation. It protects cells from stresses . P depletion by switching off ATP-consuming pathways. Alternatively spliced transcript variants tinct isoforms have been observed. [provided by	

## - VALIDATION IMAGES

RefSeq, Jul 2008]



Sample: NIH/3T3(Mouse) Cell Lysate at 30 ug Primary: Anti-phospho-AMPK alpha 1 (Ser356) (bs-14318R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 63 kD

- FREN	word
30 — 35 — <b>3</b>	-
75 —	
33 — —	alpha 1 (Ser35
48 —	
35 —	
25 —	

Sample: Hela(Human) CellLysate at 30 ug MCF-7(Human) CellLysate at 30 ug Primary: Antiphospho-AMPK alpha 1 (Ser356) (bs-14318R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-AMPK alpha 1 (Ser356)) Polyclonal Antibody, Unconjugated (bs-14318R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in



Blank control (black line) :HepG2. Primary Antibody (green line): Rabbit Anti-phosphosodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-AMPK alpha 1 (Ser356)) Polyclonal Antibody, Unconjugated (bs-14318R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining. AMPK alpha 1 (Ser356) antibody (bs-14318R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## - SELECTED CITATIONS -

- [IF=6.656] Mingjuan Yang. et al. Rosmarinic acid potentiates and detoxifies tacrine in combination for Alzheimer's disease. PHYTOMEDICINE. 2022 Dec;:154600 WB ;MOUSE. 36610144
- [IF=5.6] Yanan Wang. et al. Vitamin D3 promotes gastric cancer cell autophagy by mediating p53/AMPK/mTOR signaling. FRONT PHARMACOL. 2023; 14: 1338260 WB ;Human. 38259281
- [IF=4.6] Ziyin Lu. et al. Quercetin and AMPK: A Dynamic Duo in Alleviating MG-Induced Inflammation via the AMPK/SIRT1/NF-κB Pathway. MOLECULES. 2023 Jan;28(21):7388 IHC ;Chicken. 37959807
- [IF=3.776] Qidang Duan. et al. LOX-1 attenuates high glucose-induced autophagy via AMPK/HNF4α signaling in HLSECs. HELIYON. 2022 Dec;8:e12385 WB ;Human. 36590506
- [IF=3.7] Wei Yu. et al. Glucose promotes cell growth and casein synthesis via ATF4/Nrf2-Sestrin2- AMPK-mTORC1 pathway in dairy cow mammary epithelial cells. ANIM BIOTECHNOL. 2023 Jul 12 WB ;Bovine. 37435839