

bs-23404R**[Primary Antibody]****AMPK gamma 1 Rabbit pAb****BioSS**
ANTIBODIES

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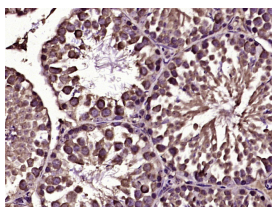
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 36 kDa Subcellular Location: Secreted ,Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 5571	SWISS: P54619	
Target: AMPK gamma 1		
Immunogen: KLH conjugated synthetic peptide derived from human AMPK gamma 1: 1-100/559.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The 5 AMP activated protein kinase (AMPK), a member of the SNF1 (sucrose non fermentor) kinase family, is a heterotrimeric protein comprise of alpha (63 kDa), beta (30 kDa) and gamma (38 kDa) subunits. The alpha subunit is the catalytic subunit, while beta and gamma are non catalytic subunits (although they have been found to interact with the active subunit in liver). AMPK regulates fatty acid and sterol synthesis by phosphorylation of acetyl CoA as well as cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl CoA reductase. AMPK is activated by AMP and can be also regulated by treatment with purified protein phosphatase in vitro.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Mouse testis); 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 (AMPK gamma 1) Polyclonal Antibody, Unconjugated (bs-23404R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.