

**bs-3967R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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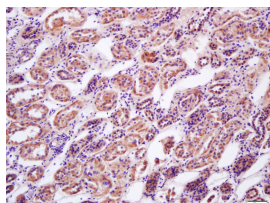
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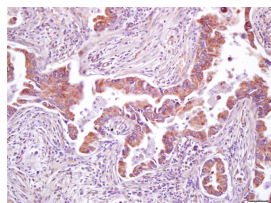
400-901-9800

**AMPK beta 2 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 5565	<b>SWISS:</b> O43741	<b>IF</b> (1:100-500)
<b>Target:</b> AMPK beta 2		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Cow, Chicken, Dog, Horse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human AMPK beta 2: 201-272/272.		<b>Predicted MW.:</b> 30 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> PRKAB2 is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status and plays a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. AMPK is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase (ACC). It also regulates cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase (HMGCR) and hormone-sensitive lipase. PRKAB2 may be a positive regulator of AMPK activity.		

**— VALIDATION IMAGES —**

Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-AMPK beta 2 Polyclonal Antibody, Unconjugated(bs-3967R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-AMPK beta 2 Polyclonal Antibody, Unconjugated(bs-3967R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining