

## AMPK $\beta$ 1 (phospho-S181) polyclonal antibody

Catalog: BS4213

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

AMPK $\beta$ 1 is a member of the SNF1 kinase family. It is a heterotrimeric protein comprising of an alpha (catalytic), beta (non-catalytic) and gamma (non-catalytic) subunits, 63, 38 and 38kDa respectively. AMPK $\beta$ 1 regulates fatty acid and sterol synthesis by phosphorylation of acetyl-coA. It also regulates cholesterol synthesis via phosphorylation and in-activation of hydroxymethylglutaryl-CoA reductase. Two isoforms of AMPK $\beta$ 1 have been found.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 38 kDa

### Swiss-Prot:

Q9Y478

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

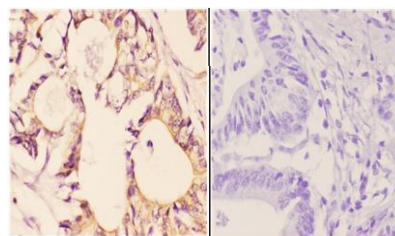
### Storage&Stability:

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

### Specificity:

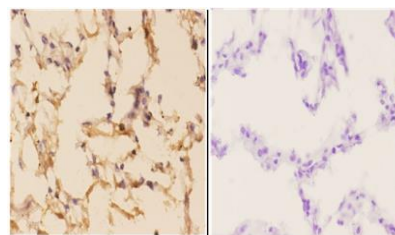
p-AMPK $\beta$ 1 (S181) polyclonal antibody detects endogenous levels of AMPK $\beta$ 1 protein only when phosphorylated at Ser181

### DATA:



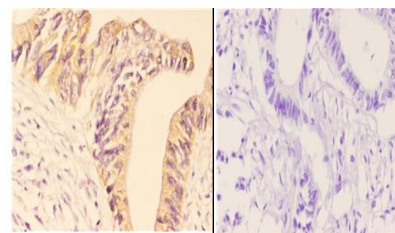
BS4213  
Lot C136131

Immunohistochemistry (IHC) analyzes of p-AMPK $\beta$ 1 (S181) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of p-AMPK $\beta$ 1 (S181) pAb in paraffin-embedded human lung carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of p-AMPK $\beta$ 1 (S181) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Note:

For research use only, not for use in diagnostic procedure.

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