

## AMPK $\gamma$ 1/2/3 (K78) polyclonal antibody

Catalog: BS2480

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 38, 54, 63 kDa

### Swiss-Prot:

P54619/Q9UGJ0/Q9UGI9

### 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:

IHC: 1:50~1:200

IF: 1:50~1:200

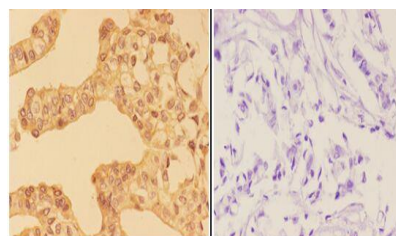
### Storage&Stability:

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

### Specificity:

AMPK $\gamma$ 1/2/3 (K78) polyclonal antibody detects endogenous levels of total AMPK $\gamma$  protein.

### DATA:



BS2480  
Lot CA26131

Immunohistochemistry (IHC) analyzes of AMPK $\gamma$ 1/2/3 (K78) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasm 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.

### Note:

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

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