

AMPK γ 1 polyclonal antibody

Catalog: BS5610

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 kDa

Swiss-Prot:

P54619

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:

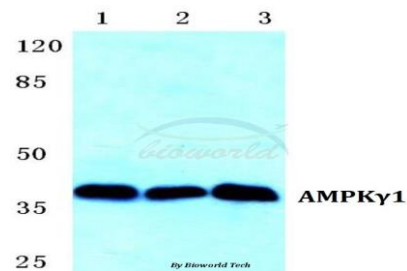
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

AMPK γ 1 polyclonal antibody detects endogenous levels

of AMPK γ 1 protein.

DATA:

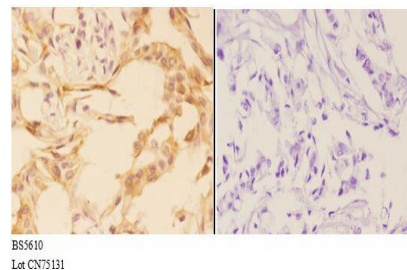


Western blot (WB) analysis of AMPK γ 1 polyclonal antibody at 1:500 dilution

Lane1:HeLa cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate



Immunohistochemistry (IHC) analyzes of AMPK γ 1 pAb in paraffin-embedded human breast 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.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151