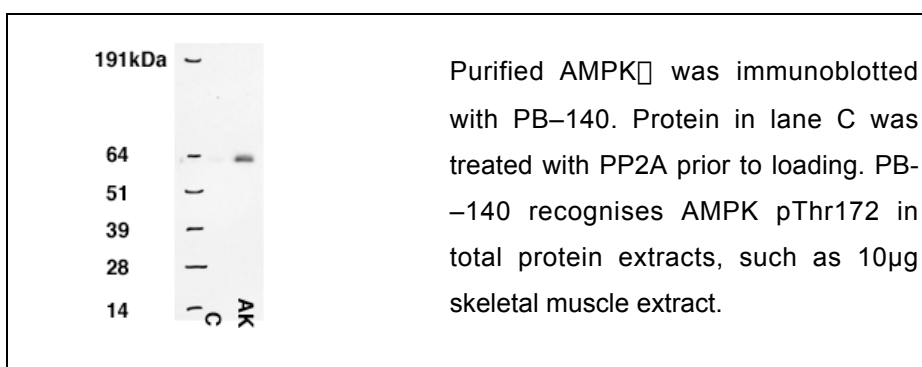


Anti AMPK alpha pThr172**Order No. PB-140****Antibody concentration: 0.5 mg/ml****Lot No 3****Amount per vial: 100µg****Store at -20°C****Product description:**

Polyclonal, affinity purified antibody raised in sheep against the peptide KFLRpTSCGSPNYA, resembling residues 168-180 of rat AMPK alpha-2 plus N-term K. Recognizes AMPK alpha 1 and alpha 2 from rat, human, Arabidopsis, spinach, drosophila.

Applications: Western blotting**Application advise**

Western blocking buffer: 5% dry milk, 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

1st Ab buffer: 0.2 –1µg/ml antibody in western blocking buffer. Incubate for 4 to 16 hours at 4°C for optimal results.

Wash buffer: 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

2nd Ab buffer: HRP coupled anti sheep Pierce 31480 (1:10000) in western blocking buffer.

Background information

The catalytic subunit of AMPK, AMPK alpha is activated by phosphorylation at threonine 172 by AMPKK (potentially LKB1). Active AMPK phosphorylates a number of substrates including Acetyl CoA carboxylase, HMG-CoA reductase, nitric oxide synthase and others see http://www.kinasource.co.uk/Database/A_substrates/AMPK_substrates.html for more substrates.

For in vitro use only.

For research use only.

Not for clinical use or consumption.

Not for diagnostic use.

Do not inject in humans or animals.