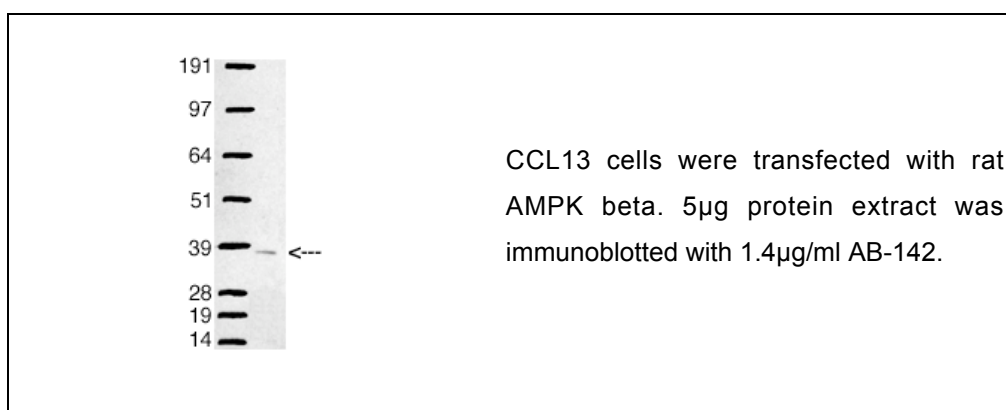


Anti AMPK beta 1**Order No. AB-142****Antibody concentration: 1.42 mg/ml****Lot No 1****Amount per vial: 100µg****Store at -20°C****Product description:**

Polyclonal, affinity purified antibody raised in sheep against the peptide CKTPRRDSSGGT, resembling residues 18-28 of rat AMPK beta (NP_006244) plus N-term C. Recognizes rat and mouse, maybe human. Other species were not tested.

Applications: Western blotting. Not suitable for IP and Immunohistochemistry**Application advise**

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

1st Ab buffer: 1 –3µg/ml antibody in western blocking buffer. 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

AMPK beta 1 is part of the AMPK heterotrimer, consisting of alpha, beta and gamma subunits. The beta and gamma subunits have regulatory functions. The alpha subunit contains the kinase domain and is also regulated 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.