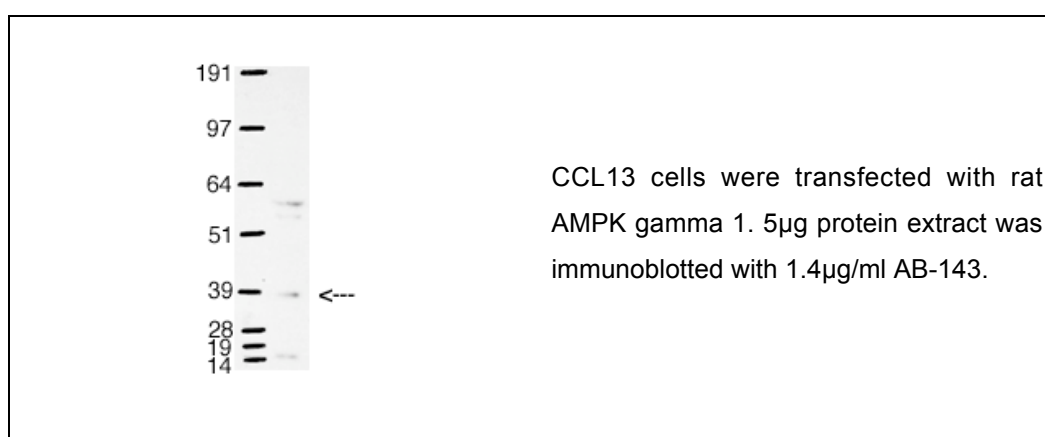


**Anti AMPK gamma 1****Order No. AB-143****Antibody concentration: 0.87 mg/ml****Amount per vial: 100µg****Lot No 1****Store at  
-20°C****Product description:**

Polyclonal, affinity purified antibody raised in sheep against the peptide CPENEHSQETPESNS, resembling residues 12-25 of rat AMPK gamma-1 (P80385) plus N-term C. Recognizes rat and mouse, not human. Other species were not tested.

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

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

1st Ab buffer: 0.1 –0.5µg/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.

IP use 10µg antibody and 15µl Protein G sepharose for 100µg protein.

## **Background information**

AMPK gamma-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](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.