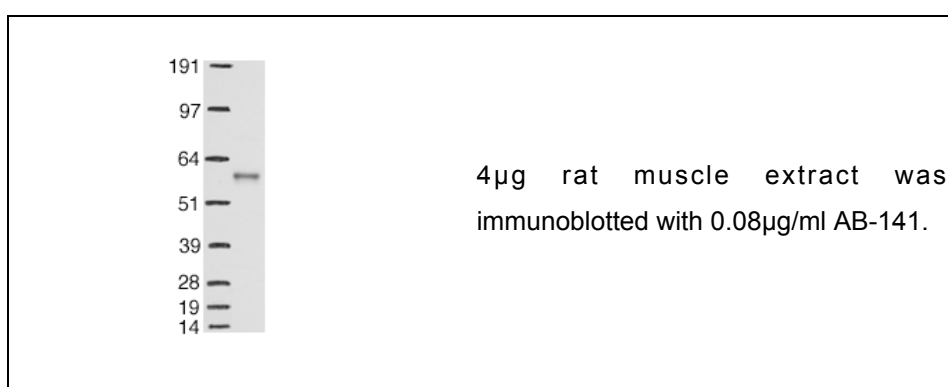


Anti AMPK alpha-2**Order No. AB-141****Antibody concentration: 1.9 mg/ml****Amount per vial: 100µg****Lot No 1****Store at -20°C****Product description:**

Polyclonal, affinity purified antibody raised in sheep against the peptide CMDDSAMHIPPGLKPH, resembling residues 352-366 of rat AMPK alpha-2 plus N-term C. Recognizes rat, human, mouse, other species not tested.

Applications: Western blotting, immunoprecipitation. Immunohistochemistry**Application advise**

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

1st Ab buffer: 0.1 – 0.3µg/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.

For immunoprecipitation use 10µg AB-141 per 100µg extract.

For immunohistochemistry use 0.4-10µg/ml.

Background information

AMPK 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.