German Research Products - GRP GmbH

In der Stockwiese 26

D-85410 Haag/Amper, Germany

Email: info@grp-ak.de Phone: +49 (0)8167 6335

Product Datasheet

AMPK alpha-1/2 (Thr183/Thr172) Antibody GRP532

Description The protein encoded by this gene belongs to the ser/thr protein

kinase family. It is the catalytic subunit of the

5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been

observed. [provided by RefSeq].

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications FC, IHC-P, WB

Immunogen KLH conjugated synthetic phosphopeptide derived from mouse

AMPK alpha 2 around the phosphorylation site of Thr172

(public_immunogen_range: 150-180/548)

Form/Appearance Aqueous buffered solution containing 1% BSA, 50% glycerol and

0.09% sodium azide.

Concentration 1ug/ul

Storage Store at -20°C for 12 months.

Note For research use only.

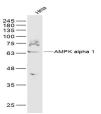
Isotype IgG

Clonality Polyclonal

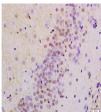
Purity Purified by Protein A.

Entrez 5562

Dilution Range WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400



WB of GRP532



IHC-P of GRP532