

A Reliable Research Partner in Life Science and Medicine

Recombinant AMPK α1 Monoclonal Antibody

catalog number: AN301102L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human AMPK α1 protein

 Host
 Rabbit

 Isotype
 IgG,κ

 Clone
 B857

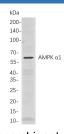
 Purification
 Protein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

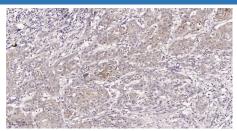
IHC 1:100-200 **WB** 1:1000-5000

Data



Western Blot with Recombinant AMPK $\alpha 1$ Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela cells.

Observed-MW:64 kDa Calculated-MW:64 kDa



Immunohistochemistry of paraffin-embedded human Cervical carcinoma tissue using Recombinant AMPK $\alpha 1$ Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

Background

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.

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