

A Reliable Research Partner in Life Science and Medicine

Recombinant Phospho-Synapsin-1 (Ser9) Monoclonal Antibody

catalog number: AN302102L

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

Description

Reactivity Rat; Mouse

Immunogen Peptide. This information is proprietary to PTMab

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A826

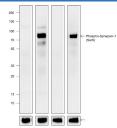
Purification Protein A purified

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

Applications Recommended Dilution

WB 1:1000

Data



Western Blot with Phospho-Synapsin-1 (Ser9) Monoclonal Antibody at dilution of 1:1000. Lane 1: Mouse brain, then the membrane treated with lambda protein phosphatase (400 U/ml) at 30°C for 1 hour, Lane 2: Mouse brain, Lane 3: Rat brain, then the membrane treated with lambda protein phosphatase (400 U/ml) at 30°C for 1 hour, Lane 4: Rat

brain
Observed-MW:85 kDa

Calculated-MW:74 kDa

Preparation & Storage

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

Shipping Ice bag

Background

Pyruvate dehydrogenase kinase isoform4 (PDK4) is also named as PDHK4 and belongs to the PDK/BCKDK protein kinase family. It is upregulated by starvation in many tissues of the body during starvation. This causes inactivation of the pyruvate dehydrogenase complexwhich blocks pyruvate oxidation and conserves lactate and alanine for gluconeogenesis. Enhanced PDK4 expression may be caused by the increase in free fatty acids that occurs during starvation. Free fatty acids can activate peroxisome proliferator-activated receptor α (PPAR α), and activation of PPAR α can promote PDK4 expression.

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