

Recombinant Phospho-Synapsin-1 (Ser9) Monoclonal Antibody

catalog number: AN302102L

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

Description

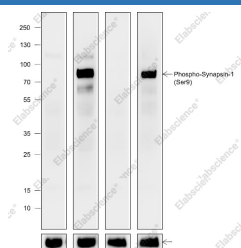
Reactivity	Mouse;Rat
Immunogen	Peptide. This information is proprietary to PTMab
Host	Rabbit
Isotype	Rabbit IgG
Clone	C431723
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
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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 complex which 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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