



RABBIT ANTI-STRIATIN POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5779

LOT NUMBER:

QUANTITY: 100 µL

SPECIFICITY: Reacts with Striatin. No cross reactivity with SG2NA.

BACKGROUND: Striatin is found in all mammalian cells and may be involved in vesicular transport, dendrite growth and cellular signalling. It binds Protein phosphatase 2A (PP2A) A and C subunits and calmodulin and appears to modulate PP2A activity. It also binds the human homolog of the yeast protein, Mob1, which has been implicated in mitotic progression in yeast. It is a member of a family of proteins that also include SG2NA and Zinedin.

IMMUNOGEN: Synthetic Striatin peptide.

APPLICATIONS: Western blot: 1:500-1:1,000. The antibody reacts with the ~110 kDa striatin protein in 293 cell lysate.
Immunocytochemistry: 1:500
Immunoprecipitation: 3 µL recommended as starting point.
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Human, rat and mouse. Other species have not been tested.

FORMAT: Rabbit serum.

PRESENTATION: Liquid containing 40% glycerol and 0.02% sodium azide.

STORAGE/HANDLING: Maintain at -20°C in undiluted for up to 12 months after date of receipt. For long-term storage, may be stored at -80°C. Avoid repeated freeze/thaw cycles at temperatures below -20°C.

REFERENCES: Moreno, C.S., W.S. Lane, D.C. Pallas. 2001. A mammalian homolog of yeast MOB1 is both a member and a putative substrate of striatin family-protein phosphatase 2A complexes. *J. Biol. Chem.* 276:24253-24260.

Moreno, C.S., S. Park, K. Nelson, D. Ashby, F. Hubalek, W.S. Lane, and D.C. Pallas. 2000. WD40 repeat proteins striatin and S/G(2) nuclear autoantigen are members of a novel family of calmodulin-binding proteins that associate with protein phosphatase 2A. *J. Biol. Chem.* 275:5257-5263.

Yu, X.X., Du, C.S., Moreno, R.E. Green, E. Ogris, Q Fend, L. Chou, M.J. McQuoid and D.C. Pallas. 2001. Methylation of the protein phosphatase 2A catalytic subunit is essential for association of Balphα regulatory subunit but not SG2NA, striatin, or polyomavirus middle tumor antigen. *Mol. Biol. Cell* 12:185-199.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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