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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SET, Phosphatase 2A Inhibitor I2PP2A Blocking Peptide

BACKGROUND

Human SET was originally identified as part of the SET-CAN fusion gene produced by a somatic translocation event in a patient with acute undifferentiated leukemia. In developing kidney, SET is highly expressed in the zone of nephron morphogenesis. SET has been shown to be a potent and specific inhibitor of protein phosphatase 2A, a family of major serine/threonine phosphatases involved in regulating cell proliferation and differentiation. SET is also involved in the regulation of renal cell proliferation and tumorigenesis. SET mRNA expression is markedly reduced in cells rendered quiescent by serum starvation, contact inhibition, or differentiation. SET protein expression is also much greater in developing rat and human kidney than in fully differentiated, mature kidney. High levels of SET mRNA and SET protein expression are found in Wilms' tumor, but not in renal cell carcinoma, adult polycystic kidney disease or in transitional cell carcinoma.

ORDERING INFORMATION

CATALOG NUMBER

X2378B

SIZE

50 μ g

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

SHIP CONDITIONS

Ship on gel ice, store at -20°C immediately upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use with SET polyclonal antibodies (Cat. No. X2088P & X2332P).

INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalalpha's rabbit anti-SET (Cat. No. X2088P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).