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Lieferung & Zahlungsart

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SET, Phosphatase 2A Inhibitor I2PP2A. Rabbit Polyclonal Antibody

SET, SET translocation (myeloid leukemia-associated), Protein SET, Phosphatase 2A inhibitor, I2PP2A, I-2PP2A, Template-activating factor I, TAF-I, HLA-DR-associated protein II, PHAPII, Inhibitor of granzyme A-activated DNase, IGAAD2PP2A; IGAAD; I2PP2A;

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 arefound in Wilms' tumor, but not in renal cell carcinoma, adult polycystic kidney disease or in transitional cell carcinoma.

Ordering Information

Catalog Number
X2088P

Size
100 µg

Form
Unconjugated

Host/Clone
Rabbit

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

Concentration
See vial for concentration

Isotype
IgG

Applications
Western Blot

Species Reactivity
Human

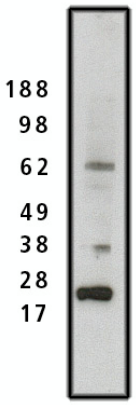
Accession Number

Human	Q9Y5P4

Immunogen

Synthetic peptide derived from the human SET protein

Western blot using SET antibody (Cat. No. X2088P) on HeLa cell lysate (15 µg/lane). Primary antibody used at 1 µg/ml. Secondary antibody used at 1:50k dilution.



For research use only. Not for use in human diagnostics or therapeutics.

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Positive Control/Tissue Expression

Widely expressed. Low levels in quiescent cells during serum starvation, contact inhibition or differentiation. Highly expressed in Wilms' tumor.

Comments

Antibody can be used for Western blotting (1-5 μg/ml starting dilution). Optimal concentration should be evaluated by serial dilutions.

Purification

Ammonium Sulfate Precipitation

Ship Conditions

Ship at ambient temperature, freeze upon arrival

Storage Customer

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

Stability

Products are stable for one year from purchase when stored properly

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