

Product datasheet for **AP05292SU-N**

TSTD3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot (1-5 µg/ml). <i>Positive Control/Tissue Expression:</i> widely expressed. Low levels in quiescent cells during serum starvation, contact inhibition or differentiation. Highly expressed in Wilms' tumor.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the Human SET protein
Specificity:	This antibody detects I2PP2A / SET.
Formulation:	Phosphate buffered saline with 0.08% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thiosulfate sulfurtransferase (rhodanese)-like domain containing 3
Database Link:	Entrez Gene 100130890 Human H0UI37



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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.

Synonyms:

I-2PP2A, TAF-I, PHAPII, IGAAD

Note:

Predicted Molecular Weight: 33489 kDa