For Research Use Only

SETBP1 Polyclonal antibody

Catalog Number:16841-1-AP Featured Product 5 Publications

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Basic Information

Catalog Number:
16841-1-AP

Size:
850 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10532

GenBank Accession Number:
BC062338

GeneID (NCBI):
26040

UNIPROT ID:
Q9Y6X0

Full Name:
SET binding protein 1

Calculated MW:
175 kDa, 26 kDa

Observed MW:
170-180 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IP, IF

Species Specificity:
human, mouse, rat

Cited Species:
canine, human, mouse

Positive Controls:

WB : HeLa cells,

Background Information

SETBP1 is initially found to interact with SET, which is a small protein inhibitor for tumor suppressors PP2A and NM23-H1. There are existing two isoforms of SETBP1 and the molecular weight of isoform one is 170 kDa and another is 26 kDa. SET is fused with another gene CAN through chromosome translocation in a case of acute undifferentiated leukemia. SETBP1 may involve in chromosome translocation in a case of acute T-cell leukemia [PMID:17569777]. SETBP1 can cooperate with BCR/ABL to transform committed myeloid progenitors normally lacking self-renewal capability into LSCs and cause development of myeloid leukemias resembling human CML myeloid blast crisis [PMID:22566606]. SETBP1 was shown to form a complex with SET and PP2A, enhancing the stability of SET and its inhibition of PP2A.

Notable Publications

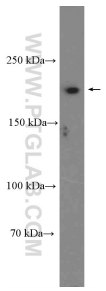
Author	Pubmed ID	Journal	Application
Oakley Kevin K	22566606	Blood	WB
Makishima Hideki H	23832012	Nat Genet	WB
Naoki Kohyanagi	35076073	J Biochem	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16841-1-AP (SETBP1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.