

Rabbit anti-Human SET Polyclonal Antibody | anti-SET antibody

Anti-SET Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254456	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SET; Polyclonal Antibody; Anti-SET Antibody; Rabbit Polyclonal; SET Antibody; Rabbit PAb; Antigen Affinity Purified; SET nuclear proto-oncogene; Anti-2PP2A Antibody; Anti-I2PP2A Antibody; Anti-IGAAD Antibody; Anti-IPP2A2 Antibody; Anti-PHAPII Antibody; Anti-TAF-I Antibody; Anti-TAF-IBETA Antibody; anti-SET antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SET
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SET antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human SET
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human SET, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

SET was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate 4 uL anti-SET rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-SET rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 33 kDa. Observed band size: 42 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of SET in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human SET polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus.



IHC (Immunohistochemisry)

Immunochemical staining of human SET in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohiostchemistry)

Immunochemical staining of human SET in human prostatic carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-SET rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit & IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 33 kDa Observed band size: 42 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-SET antibody	SET is a multifunctional oncoprotein that is ubiquitously expressed in all kinds of cells. The SET protein participates in many cellular processes including cell cycle, cell migration, apoptosis, transcription, and DNA repair. Accumulating evidence demonstrates that the expression and activity of SET correlate with cancer occurrence, metastasis, and prognosis. Therefore, the SET protein is regarded as a potential target for cancer therapy. Overexpression of SET has been characterized as being tumor-specific and is associated with adverse clinical outcomes in many different human malignant diseases. Notably, SET has been shown to promote the development of therapeutic resistance in cancer cells. The SET protein accumulates in many cancer types, including head and neck squamous cell carcinoma (HNSCC); SET is a member of the INHAT complex that inhibits gene transcription associating with histones and preventing their acetylation.
References	Hung MH, et al. (2017) Reprogramming the oncogenic response: Set protein as a potential therapeutic target in cancer. Expert Opin Ther Targets 21 (7): 685-694. Bayarkhangai B, et al. (2018) A comprehensive and perspective view of oncoprotein set in cancer. Cancer Med 7 (7): 3084-3094. Almeida LO, et al. (2017) Set oncoprotein accumulation regulates transcription through DNA demethylation and histone hypoacetylation. Oncotarget 8 (16): 26802-26818.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170763500
NCBI GeneID	6418
NCBI Accession #	NP_001116293.1
NCBI GenBank Nucleotide #	NM_001122821.1
UniProt Accession #	Q01105; Q15541; Q5VXV1; Q5VXV2; Q6FHZ5; A5A5H4; A6NGV1; B4DUE2
Molecular Weight	31,272 Da
NCBI Official Full Name	protein SET isoform 1
NCBI Official Synonym Full Names	SET nuclear proto-oncogene
NCBI Official Symbol	SET
NCBI Official Synonym Symbols	2PP2A; IGAAD; TAF-I; I2PP2A; IPP2A2; PHAPII; TAF-IBETA
NCBI Protein Information	protein SET; HLA-DR-associated protein II; SET nuclear oncogene; SET translocation (myeloid leukemia-associated); Template-Activating Factor-I, chromatin remodelling factor; inhibitor of granzyme A-activated DNase; inhibitor-2 of protein phosphatase-2A; p
UniProt Protein Name	Protein SET

UniProt Gene Name	SET
UniProt Synonym Gene Names	IGAAD; I-2PP2A; TAF-I
UniProt Entry Name	SET_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/set-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/254456>