

Rabbit SETD8 Polyclonal Antibody | anti-SETD8 antibody

SETD8 Antibody (Center)

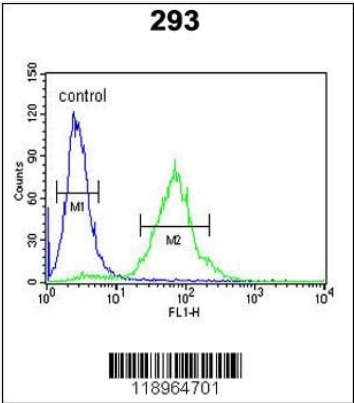
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283813	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

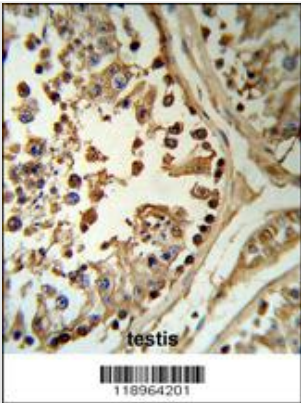
SETD8; Polyclonal Antibody; SETD8 Antibody (Center); N-lysine methyltransferase SETD8; 211-; H4-K20-HMTase SETD8; Histone-lysine N-methyltransferase SETD8; Lysine N-methyltransferase 5A; PR/SET domain-containing protein 07; PR-Set7; PR/SET07; SET domain-containing protein 8; KMT5A; PRSET7; SET07; SET8; anti-SETD8 antibody

PRODUCT SPECIFICATIONS

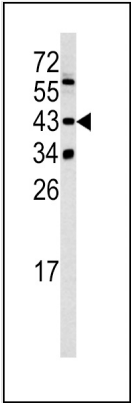
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SETD8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-249 amino acids from the Central region of human SETD8.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	220-249
Sequence Length	352
Applicable Applications for anti-SETD8 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
SETD8 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
SETD8 Antibody (Center) (RB18964) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SETD8 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SETD8 antibody (Center) in 293 cell line lysates (35ug/lane). SETD8 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SETD8 antibody	SETD8 is a histone methyltransferase that specifically monomethylates 'Lys-20' of histone H4. H4 'Lys-20' monomethylation is enriched during mitosis and represents a specific tag for epigenetic transcriptional repression. The protein mainly functions in euchromatin regions, thereby playing a central role in the silencing of euchromatic genes. It is required for cell proliferation, probably by contributing to the maintenance of proper higher order structure of DNA during mitosis. It is also involved in chromosome condensation and proper cytokinesis. Nucleosomes are preferred as substrate compared to free histones.
References	Kalakonda,N., Oncogene 27 (31), 4293-4304 (2008) Houston,S.I., J. Biol. Chem. 283 (28), 19478-19488 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45356743
NCBI GeneID	387893
NCBI Accession #	NP_065115.3
NCBI GenBank Nucleotide #	NM_020382.3
UniProt Accession #	Q9NQR1; Q86W83; Q8TD09; A8K9D0
Molecular Weight	42890

NCBI Official Full Name	N-lysine methyltransferase SETD8
NCBI Official Synonym Full Names	SET domain containing (lysine methyltransferase) 8
NCBI Official Symbol	SETD8
NCBI Official Synonym Symbols	SET8; KMT5A; SET07; PR-Set7
NCBI Protein Information	N-lysine methyltransferase SETD8
UniProt Protein Name	N-lysine methyltransferase SETD8
UniProt Gene Name	SETD8
UniProt Synonym Gene Names	KMT5A; PRSET7; SET07; SET8; PR-Set7; PR/SET07
UniProt Entry Name	SETD8_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/setd8-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283813>