

Rabbit anti-Human SETD7 Polyclonal Antibody | anti-SETD7 antibody

Anti-SETD7 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255356	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

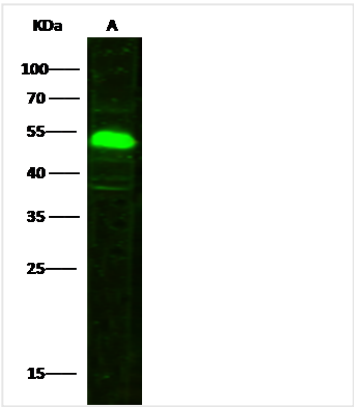
PRODUCT SYNONYMS

SETD7; Polyclonal Antibody; Anti-SETD7 Antibody; Rabbit Polyclonal; SETD7/SET7/9 Antibody; Rabbit PAb; Antigen Affinity Purified; SET domain containing (lysine methyltransferase) 7; Anti-KMT7 Antibody; Anti-SET7 Antibody; Anti-SET7/9 Antibody; Anti-SET9 Antibody; anti-SETD7 antibody

PRODUCT SPECIFICATIONS

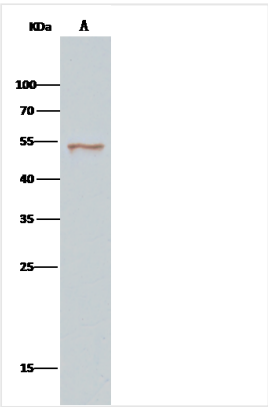
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SETD7/SET7/9
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SETD7 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human SETD7/SET7/9 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human SETD7/SET7/9 (rh SETD7/SET7/9). SETD7/SET7/9 specific IgG was purified by Human SETD7/SET7/9 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



WB (Western Blot)

Anti-SETD7 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:48 kDaObserved band size:53 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)

SETD7 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate2 uL anti-SETD7 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-SETD7 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:500 dilutionDeveloped using the DAB staining technique.Performed under reducing conditions.Predicted band size: 41 kDaObserved band size: 52 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SETD7 antibody	Histone-lysine N-methyltransferase SETD7, also known as SET domain containing (lysine methyltransferase) 7, SET7/9, Histone H3-K4 methyltransferase SETD7, H3-K4-HMTase SETD7, and SETD7, is a member of the histone-lysine methyltransferase family and SET7 subfamily. SETD7 is widely expressed and expressed in pancreatic islets. SETD7 contains three MORN repeats and one SET domain. SETD7 plays a central role in the transcriptional activation of genes such as collagenase or insulin. As a protein lysine methyltransferase (PKMT), SETD7 also has methyltransferase activity toward non-histone proteins such as p53/TP53, TAF1, and possibly TAF7 by recognizing and binding in substrate proteins. The mono-methyltransferase activity of SETD7 is achieved by disrupting the formation at near-attack conformations for the dimethylation reaction. SETD7 is also a novel coactivator of NF-kappaB and plays a role in inflammation and diabetes.
References	Wang, H. et al., 2002, Mol Cell 8 (6): 1207-17. Jacobs, SA. et al., 2002, Nat. Struct. Biol. 9 (11): 833-8. Xiao B, et al., 2003, Nature. 421 (6923): 652-6. Martens, JH. et al., 2003, Mol. Cell. Biol. 23: 1808-1816. Couture, JF. et al., 2006, Nat Struct Mol Biol 13 (2): 140-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83035135
NCBI GeneID	80854
NCBI Accession #	NP_085151.1
NCBI GenBank Nucleotide #	NM_030648
Molecular Weight	40,721 Da
NCBI Official Full Name	Homo sapiens SET domain containing (lysine methyltransferase) 7 (SETD7), mRNA
NCBI Official Synonym Full Names	SET domain containing (lysine methyltransferase) 7
NCBI Official Symbol	SETD7
NCBI Official Synonym Symbols	KMT7; SET7; SET9; SET7/9
NCBI Protein Information	histone-lysine N-methyltransferase SETD7; H3-K4-HMTase SETD7; SET domain-containing protein 7; histone H3-K4 methyltransferase SETD7; histone H3-lysine 4-specific methyltransferase; lysine N-methyltransferase 7

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.

