

Datasheet for ABIN5517321
anti-SETD7 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	SETD7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Pig, Rabbit, Cow, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SETD7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human SETD7
Sequence:	MDSDDDEMVEE AVEGHLDDDG LPHGFCTVTY SSTDRFEGNF VHGEKNGRGK
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against SETD7. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	SETD7
Alternative Name:	SETD7 (SETD7 Products)

Target Details

Background:	SETD7 is a histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. It plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, TAF10, and possibly TAF7 by recognizing and binding the [KR]-[STA]-K in substrate proteins. Monomethylates 'Lys-189' of TAF10, leading to increase the affinity of TAF10 for RNA polymerase II. Monomethylates 'Lys-372' of p53/TP53, stabilizing p53/TP53 and increasing p53/TP53-mediated transcriptional activation. Alias Symbols: SETD7, KIAA1717, KMT7, SET7, SET9, Protein Interaction Partner: KLF4, HIST3H3, SOX2, PRKAR1A, A1BG, TP53, NR2F2, STEAP3, SERTAD1, DPY30, MED1, MYOD1, E2F1, HIST1H3A, SMARCA4, H3F3A, STAT3, RELA, AR, UBC, DNMT1, PPP1R12A, SIRT1, TBP, TAF10, TAF7, TAF6, HIST1H4A, ESR1, HIST2H3C, HCFC1, L3MBTL1, Protein Size: 366
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Gene ID:	80854
NCBI Accession:	NP_085151
UniProt:	Q8WTS6

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

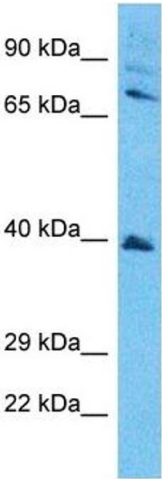
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: SETD7 Sample Type: Jurkat Whole Cell lysates Antibody Dilution: 1.0ug/ml