Datasheet for ABIN5004199

anti-SETD7 antibody (AA 271-366) (AbBy Fluor® 750)

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Overview

Quantity:	100 µL
Target:	SETD7
Binding Specificity:	AA 271-366
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SETD7 antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Histone H4 K4 methyltransferase SETD7
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SETD7

Target Details

Alternative Name:	H3-K4-HMTase SETD7 (SETD7 Products)
Background:	Synonyms: FLJ21193, H3 K4 HMTase, H3-K4-HMTase SETD7, H4 lysine 4 specic, Histone H3 K4 methyltransferase, Histone H3 lysine 4 specic methyltransferase, Histone H3-K4 methyltransferase SETD7, Histone H4 K4 methyltransferase, Histone lysine N methyltransferase, Histone lysine N methyltransferase H3 lysine 4 specic SET7, Histone-lysine N-methyltransferase SETD7, KIAA1717, KMT7, Lysine methyltransferase, Lysine N-methyltransferase 7, OTTHUMP00000164543, OTTHUMP00000220049, SET 7, SET 7/9, SET 9, SET D7, SET domain containing lysine methyltransferase 7, SET domain containing protein 7, SET domain containing protein 8, SET domain-containing protein 7, SET7, SET7/9, SET9, Setd7, SETD7_HUMAN. Background: Histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. 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. Also able to demethylated 'Lys-372' of p53/TP53 in vitro.
Gene ID:	80854
UniProt:	Q8WTS6

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and

Handling

	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months