

Datasheet for ABIN532913
anti-SETD7 antibody (AA 1-366)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	SETD7
Binding Specificity:	AA 1-366
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SETD7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant SETD7.
Immunogen:	Recombinant protein corresponding to amino acids 1-366 of human SETD7.
Clone:	S4E5
Isotype:	IgG2b
Cross-Reactivity:	Human

Target Details

Target:	SETD7
Alternative Name:	SETD7 / SET9 (SETD7 Products)

Target Details

Gene ID: 80854

NCBI Accession: [NM_030648](#)

Application Details

Application Notes: Western Blot (1:250-1:2000)

The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS, pH 7.4 (10 % glycerol, 0.02 % sodium azide).

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

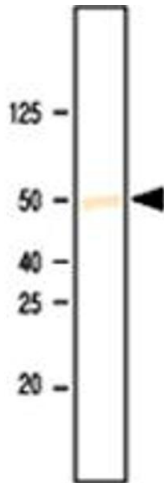
Product cited in: Hotz, Peters: "Protein demethylation required for DNA methylation." in: **Nature genetics**, Vol. 41, Issue 1, pp. 10-1, (2008) ([PubMed](#)).

Kwon, Chang, Kwak, Lee, Joachimiak, Kim, Lee, Cho: "Mechanism of histone lysine methyl transfer revealed by the structure of SET7/9-AdoMet." in: **The EMBO journal**, Vol. 22, Issue 2, pp. 292-303, (2003) ([PubMed](#)).

Xiao, Jing, Wilson, Walker, Vasisht, Kelly, Howell, Taylor, Blackburn, Gamblin: "Structure and catalytic mechanism of the human histone methyltransferase SET7/9." in: **Nature**, Vol. 421, Issue 6923, pp. 652-6, (2003) ([PubMed](#)).

Nishioka, Chuikov, Sarma, Erdjument-Bromage, Allis, Tempst, Reinberg: "Set9, a novel histone H3 methyltransferase that facilitates transcription by precluding histone tail modifications

required for heterochromatin formation." in: **Genes & development**, Vol. 16, Issue 4, pp. 479-89, (2002) ([PubMed](#)).



Western Blotting

Image 1. Immunoblot analysis of recombinant SETD7 was resolved by electrophoresis, transferred to PVDF membrane and probed with SETD7 monoclonal antibody, clone s4E5 (1 : 1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a DAP detection system. Arrow indicated SETD7 (~ 50 kDa).