

Datasheet for ABIN121150

anti-SETD7 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mL
Target:	SETD7
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SETD7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant human SET7/9 protein
Clone:	S4E5
Isotype:	IgG2b
Specificity:	The antibody recognizes Human SET7/9. Other species not tested.
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	SETD7
Alternative Name:	SETD7 / SET9 (SETD7 Products)
Background:	Set7/9 is a histone methyltransferase (HMTase) that transfers methyl group to Lys4 of histone

Target Details

H3, in complex with S-adenosyl-L-methionine (AdoMet). The methylation of lysine residues of histones plays a critical role in the regulation of chromatin structure and gene expression. Acetylation, phosphorylation and methylation of the amino-terminal tails of histone are thought to be involved in the regulation of chromatin structure and function. The enzymes identified in the methylation of specific lysine residue on histones belong to the SET family with just one exception. Set7/9, unlike most other SET proteins, is exclusively a mono-methylase. Synonyms: H3-K4-HMTase SETD7, Histone H3-K4 methyltransferase SETD7, Histone-lysine N-methyltransferase SETD7, KIAA1717, KMT7, Lysine N-methyltransferase 7, SET domain-containing protein 7, SET7, SET7/9

Gene ID: 80854

UniProt: [Q8WTS6](#)

Application Details

Application Notes: ELISA. Western blot (1:250 - 1:2,000), recommended starting dilution : 1:1,000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: PBS, pH 7.4 containing 0.09 % Sodium Azide as preservative., 0.09 % Sodium Azide

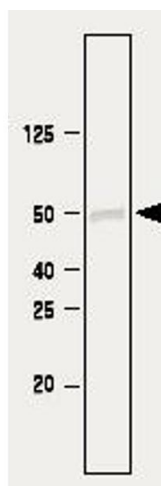
Preservative: Sodium azide

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

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf Life: one year from despatch.

Expiry Date: 12 months



Western Blotting

Image 1. Immunoblot analysis. Recombinant SET7/9 was resolved by electrophoresis, transferred to PVDF membrane and probed with anti-SET7/9(1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a DAP detection system. Arrow indicated SET7/9(~50Da).