

Datasheet for ABIN387997
anti-SETD7 antibody (AA 159-189)[Go to Product page](#)

4 Images

Overview

Quantity:	400 µL
Target:	SETD7
Binding Specificity:	AA 159-189
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SETD7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This SET7 (SET9) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-189 amino acids from the Central region of human SET7 (SET9).
Clone:	RB2763
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SETD7
Alternative Name:	SET7 (SET9) (SETD7 Products)

Target Details

Background: Similar to acetylation and phosphorylation, histone methylation at the N-terminal tail has emerged as an important role in regulating chromatin dynamics and gene activity. Histone methylation occurs on arginine and lysine residues and is catalyzed by two families of proteins, the protein arginine methyltransferase family and the SET-domain-containing methyltransferase family. Five members have been identified in the arginine methyltransferase family. About 27 are grouped into the SET-domain family, and another 17 make up the PR domain family that is related to the SET domain family. The retinoblastoma protein-interacting zinc finger gene RIZ1 is a tumor suppressor gene and a FOUNDING member of the PR domain family. RIZ1 inactivation is commonly found in many types of human cancers and occurs through loss of mRNA expression, frame shift mutation, chromosomal deletion, and missense mutation. RIZ1 is also a tumor susceptibility gene in mice. The loss of RIZ1 mRNA in human cancers was shown to associate with DNA methylation of its promoter CpG island. Methylation of the RIZ1 promoter strongly correlated with lost or decreased RIZ1 mRNA expression in breast, liver, colon, and lung cancer cell lines as well as in liver cancer tissues.

Molecular Weight: 40721

Gene ID: 80854

NCBI Accession: [NP_085151](#)

UniProt: [Q8WTS6](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

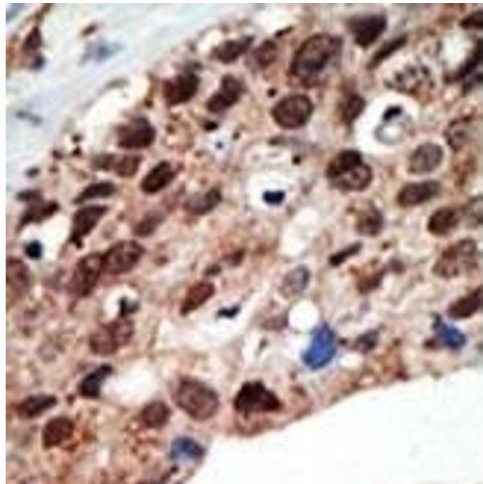
Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

aliquots to prevent freeze-thaw cycles.

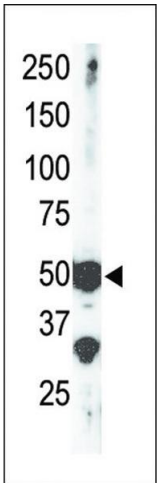
Expiry Date: 6 months

Images



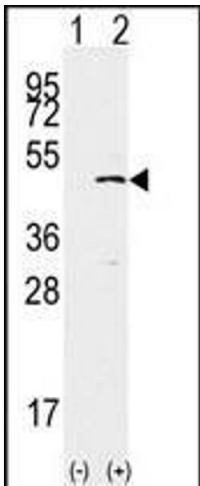
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. The anti-SET9 Pab (ABIN387997 and ABIN2845289) is used in Western blot to detect SET9 in mouse brain tissue lysate.



Western Blotting

Image 3. Western blot analysis of SET9 (arrow) using rabbit polyclonal SET9 Antibody (ABIN387997 and ABIN2845289). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the SET9 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN387997.