

Datasheet for ABIN5539110
anti-SET7 antibody (AA 159-189)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	SET7 (SETD8P1)
Binding Specificity:	AA 159-189
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SET7 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).
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SET7 (SETD8P1)
Alternative Name:	SET7 (SETD8P1 Products)
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

Target Details

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 FOUNDRING 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:	41 kDa
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Gene ID:	80854
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UniProt:	Q8WTS6
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Application Details

Application Notes:	For WB starting dilution is: 1:1000
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	For IHC-P starting dilution is: 1:50~100
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.5 mg/mL
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Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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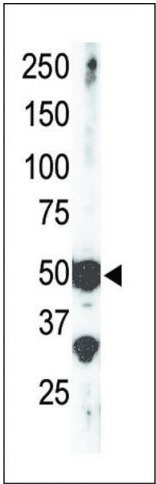
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care
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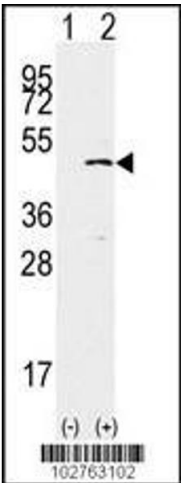
should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



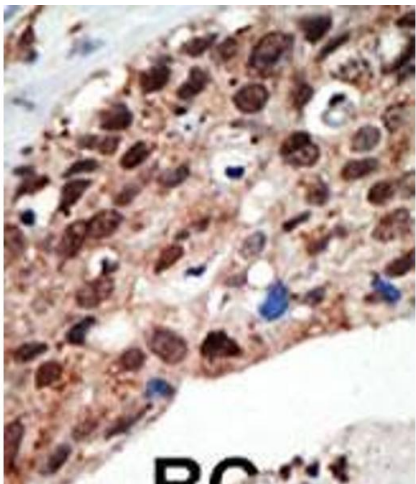
Western Blotting

Image 1. Antibody is used in Western blot to detect SET9 in mouse brain tissue lysate.



Western Blotting

Image 2. Western blot analysis of SET9 using rabbit polyclonal SET9 Antibody using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SET9 gene (Lane 2).



Immunohistochemistry

Image 3. 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. BC = breast carcinoma; HC = hepatocarcinoma.