Datasheet for ABIN387991

anti-SUV39H1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	SUV39H1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant GST fusion protein encoding N-terminal of human SUV39H1.
Clone:	RB2153
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	SUV39H1
Alternative Name:	SUV39H1 (SUV39H1 Products)
Background:	Similar to acetylation and phosphorylation, histone methylation at the N-terminal tail has

Target Details

	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 geneRIZ1 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:	47907
Gene ID:	6839
NCBI Accession:	NP_001269095, NP_003164
UniProt:	O43463

Application Details

Application Notes:	WB: 1:1000
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.

Handling

Expiry Date:	6 months

Publications

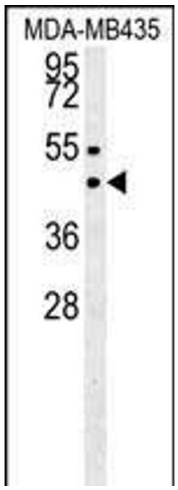
Product cited in:

Xu, Wang, Chang, Du, Diao, Jiang, Wang, Ma, Zhang: "Mammalian sterile 20-like kinase 1/2 inhibits the Wnt/?-catenin signalling pathway by directly binding casein kinase 1?." in: **The Biochemical journal**, Vol. 458, Issue 1, pp. 159-69, (2014) (PubMed).

Rajyaguru, She, Parker: "Scd6 targets eIF4G to repress translation: RGG motif proteins as a class of eIF4G-binding proteins." in: **Molecular cell**, Vol. 45, Issue 2, pp. 244-54, (2012) (PubMed).

Nissan, Rajyaguru, She, Song, Parker: "Decapping activators in Saccharomyces cerevisiae act by multiple mechanisms." in: **Molecular cell**, Vol. 39, Issue 5, pp. 773-83, (2010) (PubMed).

Images



Western Blotting

Image 1. SUV39H1 (ABIN387991 and ABIN2845260) western blot analysis in MDA-M cell line lysates (35 µ g/lane). This demonstrates the SUV39H1 antibody detected the SUV39H1 protein (arrow).