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Datasheet for ABIN6148747

anti-SUV39H1 antibody (AA 1-220)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	SUV39H1
Binding Specificity:	AA 1-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human SUV39H1 (NP_003164.1).
Sequence:	MAENLKGCSV CCKSSWNQLQ DLCRLAKLSC PALGISKRNL YDFEVEYLCD YKKIREQEYY LVKWRGYPDS ESTWEPRQNL KCVRILKQFH KDLERELLRR HHRSKTPRHL DPSLANYLTVQ KAKQRRALRR WEQELNAKRS HLGRTVENE VDLDGPPRAF VYINEYRVGE GITLNQVAVG CECQDCLWAP TGGCCPGASL HKFAYNDQGG VRLRAGLPIY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SUV39H1
Alternative Name:	SUV39H1 (SUV39H1 Products)
Background:	This gene encodes an evolutionarily-conserved protein containing an N-terminal chromodomain and a C-terminal SET domain. The encoded protein is a histone methyltransferase that trimethylates lysine 9 of histone H3, which results in transcriptional gene silencing. Loss of function of this gene disrupts heterochromatin formation and may cause chromosome instability. Alternative splicing results in multiple transcript variants.,SUV39H1,H3-K9-HMTase 1,KMT1A,MG44,SUV39H,H3-K9-HMTase1,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,Methylation,Cancer,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Cell cycle inhibitors,G1/S Checkpoint,SUV39H1
Molecular Weight:	47 kDa/49 kDa
Gene ID:	6839
UniProt:	O43463

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,ChIP,1:20 - 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

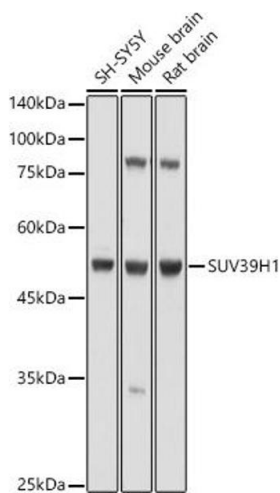
Publications

Product cited in:	Wang, Wang, Tang, Zhang, Zheng, Wang, Zhang, Wang, Xie: "Direct inhibition of ACTN4 by ellagic acid limits breast cancer metastasis via regulation of β -catenin stabilization in cancer stem cells." in: Journal of experimental & clinical cancer research : CR , Vol. 36, Issue 1, pp.
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172, (2018) ([PubMed](#)).

Wang, Zheng, Gu, Cai, Wang, Zhang, Chen, Situ, Lin, Wang: "Network-pharmacology-based validation of TAMS/CXCL-1 as key mediator of XIAOPI formula preventing breast cancer development and metastasis." in: **Scientific reports**, Vol. 7, Issue 1, pp. 14513, (2017) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SUV39H1 antibody (ABIN6128786, ABIN6148747, ABIN6148748 and ABIN6220187) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.