

Datasheet for ABIN2784480  
**anti-SUV420H1 antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	SUV420H1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Guinea Pig, Horse, Cow, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV420H1 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

## Product Details

Sequence:	FINHDCRPNC KFVSTGRDTA CVKALRDIEP GEEISCYYGD GFFGENNEFC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 77%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against Suv420h1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	SUV420H1
Alternative Name:	Suv420h1 ( <a href="#">SUV420H1 Products</a> )
Background:	Suv420h1 is a histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4.

## Target Details

H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. It mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions. SUV420H1 is targeted to histone H3 via its interaction with RB1 family proteins.

Alias Symbols: AA117471, C630029K18Rik, KMT5B, MGC18702, Suv4-20h1

Protein Interaction Partner: Rbl2, Rbl1, Rb1, Cbx1,

Protein Size: 327

Molecular Weight: 35 kDa

Gene ID: 225888

NCBI Accession: [NM\\_001167884](#), [NP\\_001161356](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 327 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

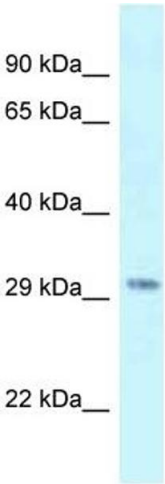
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

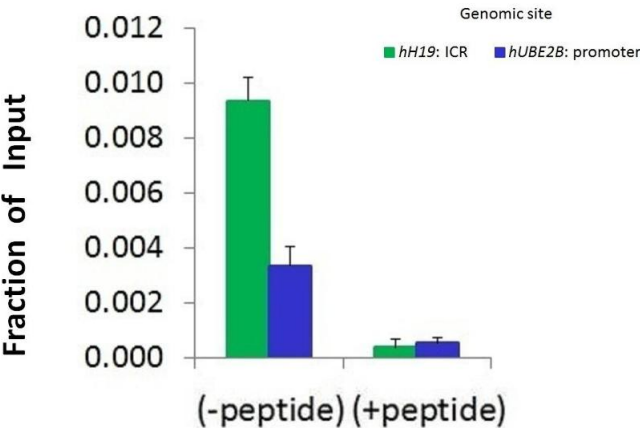
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



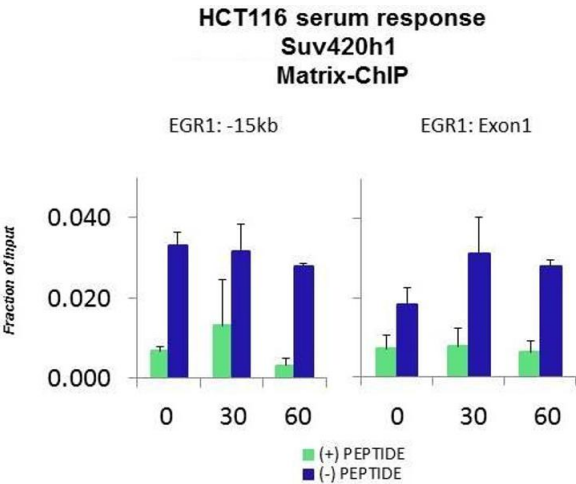
Western Blotting

**Image 1.** Antibody Titration: 1.0 ug/ml, Positive Control: Mouse Thymus



Chromatin Immunoprecipitation

**Image 2.** Chromatin Immunoprecipitation (ChIP) Using Suv420h1 antibody - C-terminal region and HCT116 Cells



Chromatin Immunoprecipitation

**Image 3.** Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.