


Product datasheet

Anti-SETD1B antibody ab112049

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-SETD1B antibody
Description	Rabbit polyclonal to SETD1B
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Cow, Chimpanzee, Gorilla 
Immunogen	Synthetic peptide corresponding to Human SETD1B aa 350-400.
Positive control	Human Breast Carcinoma, Human Ovarian Carcinoma, and Human Testicular Seminoma tissues
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 99% Tris citrate/phosphate, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab112049 in the following tested applications.

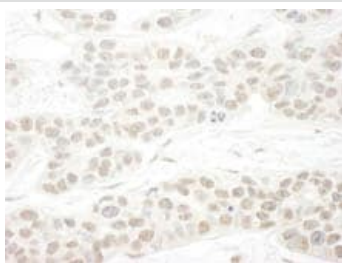
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining.

Target

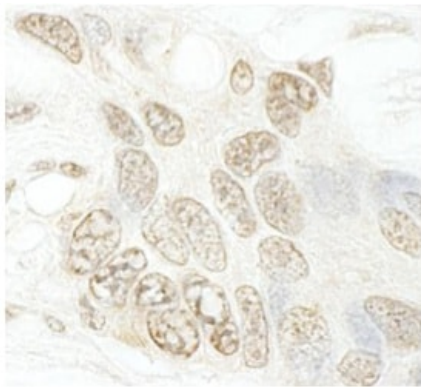
Function	Histone methyltransferase that specifically methylates 'Lys-4' of histone H3, when part of the SET1 histone methyltransferase (HMT) complex, but not if the neighboring 'Lys-9' residue is already methylated. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. The non-overlapping localization with SETD1A suggests that SETD1A and SETD1B make non-redundant contributions to the epigenetic control of chromatin structure and gene expression. Specifically tri-methylates 'Lys-4' of histone H3 in vitro.
Sequence similarities	Contains 1 post-SET domain. Contains 1 RRM (RNA recognition motif) domain. Contains 1 SET domain.
Cellular localization	Nucleus speckle. Chromosome. Localizes to a largely non-overlapping set of euchromatic nuclear speckles with SETD1A, suggesting that SETD1A and SET1B each bind to a unique set of target genes.

Images



Staining of Human SETD1B in a Formalin/PFA-fixed paraffin-embedded section of Human Breast Carcinoma using ab112049 at a dilution of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SETD1B antibody (ab112049)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SETD1B antibody (ab112049)

Staining of Human SETD1B in a Formalin/PFA-fixed paraffin-embedded section of Human Ovarian Carcinoma using ab112049 at a dilution of 1/250.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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