

Product datasheet

Anti-SETD7 antibody ab110902

2 图像

概述

产品名称	Anti-SETD7抗体
描述	兔多克隆抗体to SETD7
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Rat, Rabbit, Horse, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan 
免疫原	Synthetic peptide, corresponding to a region between residues 316 and 366 of Human SETD7 (NP_085151.1).
阳性对照	Human Breast Carcinoma and Prostate Carcinoma tissues.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	ab110902 was affinity purified using an epitope specific to SETD7 immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab110902** in the following tested applications.

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

应用	Ab评论	说明
IHC-P		1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining.

靶标

功能

Histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, TAF10, and possibly TAF7 by recognizing and binding the [KR]-[STA]-K in substrate proteins. Monomethylates 'Lys-189' of TAF10, leading to increase the affinity of TAF10 for RNA polymerase II. Monomethylates 'Lys-372' of p53/TP53, stabilizing p53/TP53 and increasing p53/TP53-mediated transcriptional activation. Also able to demethylated 'Lys-372' of p53/TP53 in vitro.

组织特异性

Widely expressed. Expressed in pancreatic islets.

序列相似性

Belongs to the histone-lysine methyltransferase family. SET7 subfamily.

Contains 3 MORN repeats.

Contains 1 SET domain.

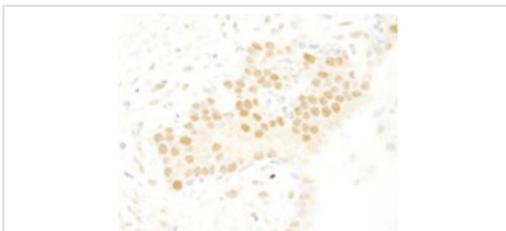
结构域

The SET domain is necessary but not sufficient for histone methyltransferase activity.

细胞定位

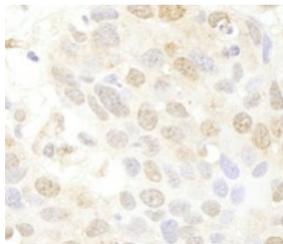
Nucleus. Chromosome.

图片



ab110902 at 1/250 dilution staining SETD7 in Human prostate carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue. Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SETD7 antibody (ab110902)



ab110902 at 1/250 dilution staining SETD7 in Human breast carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue.
Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SETD7 antibody (ab110902)

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