

Product datasheet

Anti-Chd1 antibody ab236287

2 Images

Overview

Product name	Anti-Chd1 antibody
Description	Rabbit polyclonal to Chd1
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Immunogen	<p>Recombinant fragment corresponding to Human Chd1 aa 1501-1710. Sequence:</p> <p>IKKRQESQQNSDQNSNLNPHVIRNPDVERLKENTNHD DSSRDSYSSDRHL TQYHDHHKDRHQGDSYKKSRSRKPYSFSNGKDHR DWDHYKQDSRYYS REKHRKLDHRSRDHRSNLEGLKDRSHSDHRS HRLHSDHRSSEYT HHKSSRDYRYHSDWQMDHRASSGPRSPDQQRSPY GSRSPFEHSVEHKST PEHTWSSRKT</p> <p>Database link: O14646</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Human breast cancer and placenta tissues.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236287** 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		1/20 - 1/200.

Target

Function

ATP-dependent chromatin-remodeling factor which functions as substrate recognition component of the transcription regulatory histone acetylation (HAT) complex SAGA. Regulates polymerase II transcription. Also required for efficient transcription by RNA polymerase I, and more specifically the polymerase I transcription termination step. Regulates negatively DNA replication. Not only involved in transcription-related chromatin-remodeling, but also required to maintain a specific chromatin configuration across the genome. Is also associated with histone deacetylase (HDAC) activity (By similarity). Required for the bridging of SNF2, the FACT complex, the PAF complex as well as the U2 snRNP complex to H3K4me3. Functions to modulate the efficiency of pre-mRNA splicing in part through physical bridging of spliceosomal components to H3K4me3. Required for maintaining open chromatin and pluripotency in embryonic stem cells.

Sequence similarities

Belongs to the SNF2/RAD54 helicase family.
Contains 2 chromo domains.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

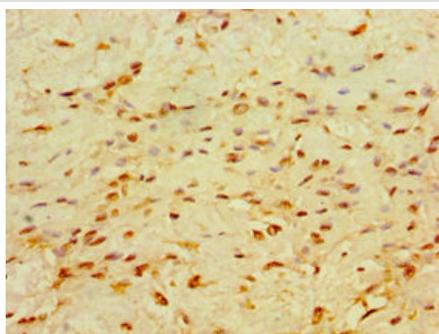
Domain

The 2 chromodomains are involved in the binding to the histone H3 methyllysine at position 4 (H3K4me3).

Cellular localization

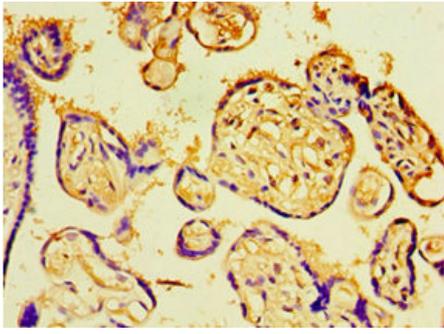
Nucleus. Cytoplasm. Is released into the cytoplasm when cells enter mitosis and is reincorporated into chromatin during telophase-cytokinesis.

Images



Paraffin-embedded human breast cancer tissue stained for Chd1 using ab236287 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chd1 antibody (ab236287)



Paraffin-embedded human placenta tissue stained for Chd1 using ab236287 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chd1 antibody (ab236287)

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