

Datasheet for ABIN6242241
anti-CHD5 antibody (AA 64-98)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µL
Target:	CHD5
Binding Specificity:	AA 64-98
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHD5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CHD5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 64-98 amino acids from human CHD5.
Clone:	RB54755
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CHD5
Alternative Name:	CHD5 (CHD5 Products)
Background:	Chromatin-remodeling protein that binds DNA through histones and regulates gene

Target Details

transcription. May specifically recognize and bind trimethylated 'Lys-27' (H3K27me3) and non-methylated 'Lys-4' of histone H3. Plays a role in the development of the nervous system by activating the expression of genes promoting neuron terminal differentiation. In parallel, it may also positively regulate the trimethylation of histone H3 at 'Lys- 27' thereby specifically repressing genes that promote the differentiation into non-neuronal cell lineages. Tumor suppressor, it regulates the expression of genes involved in cell proliferation and differentiation. Downstream activated genes may include CDKN2A that positively regulates the p53/TP53 pathway, which in turn, prevents cell proliferation. In spermatogenesis, it probably regulates histone hyperacetylation and the replacement of histones by transition proteins in chromatin, a crucial step in the condensation of spermatid chromatin and the production of functional spermatozoa.

Molecular Weight:	223050
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UniProt:	Q8TD10
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Application Details

Application Notes:	WB: 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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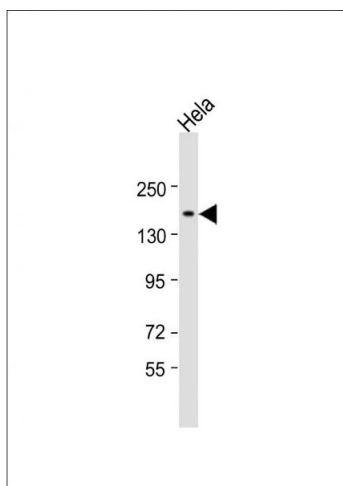
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Expiry Date:	6 months
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Western Blotting

Image 1. Anti-CHD5 Antibody (N-Term) at 1:2000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 223 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.