

Rabbit anti-Human CHD5 Polyclonal Antibody | anti-CHD5 antibody

CHD5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327473	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CHD5; Polyclonal Antibody; CHD5 Antibody; ATP-dependent helicase CHD5; CHD 5; CHD-5; CHD5_HUMAN; Chromodomain-helicase-DNA-binding protein 5; DKFZp434N231; KIAA0444; RP1-233K16.2; anti-CHD5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CHD5 antibody detects endogenous levels of total CHD5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1954
Applicable Applications for anti-CHD5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHD5
Subcellular Location	Nucleus.
Tissue Specificity	Preferentially expressed in total brain, fetal brain, and cerebellum. It is also moderately expressed in the adrenal gland and detected in testis.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327473 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of CHD5 using A549 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CHD5 antibody	Function: Chromatin-remodeling protein that binds DNA through histones and regulates gene 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. Subunit Structure: May be part of a nucleosome remodeling and histone deacetylation, NuRD-like, complex composed of at least of GATAD2B, HDAC1, HDAC2 and MTA3. Similarity: The PHD domains mediate specific binding to histone H3 unmethylated at 'Lys-4' and may preferentially recruit the protein to transcriptionally inactive genes. The chromo domains mediate specific binding to histone H3 trimethylated at 'Lys-27' (H3K27me3) and may be required in neuron differentiation for proper gene regulation. Belongs to the SNF2/RAD54 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24308089
NCBI GeneID	26038
NCBI Accession #	NP_056372.1
NCBI GenBank Nucleotide #	NM_015557.2
UniProt Accession #	Q8TDI0 ; O75032 ; Q5TG89 ; Q7LGH2 ; Q9UFR9
Molecular Weight	Observed: 223 kDa Predicted: 224 kDa
NCBI Official Full Name	chromodomain-helicase-DNA-binding protein 5
NCBI Official Synonym Full Names	chromodomain helicase DNA binding protein 5
NCBI Official Symbol	CHD5
NCBI Official Synonym Symbols	CHD-5
NCBI Protein Information	chromodomain-helicase-DNA-binding protein 5
UniProt Protein Name	Chromodomain-helicase-DNA-binding protein 5
UniProt Gene Name	CHD5
UniProt Synonym Gene Names	CHD-5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chd5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327473>