

Anti-CHD1 antibody



Description	Unconjugated Rabbit polyclonal to CHD1
Model	STJ190179
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human CHD1 protein.
Immunogen Region	960-1040aa
Gene ID	1105
Gene Symbol	CHD1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CHD1 Polyclonal Antibody detects endogenous levels of protein.
Purification	CHD1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Chromodomain-helicase-DNA-binding protein 1 CHD-1 ATP-dependent helicase CHD1
Molecular Weight	188 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1915OMIM:602118
Alternative Names	Chromodomain-helicase-DNA-binding protein 1 CHD-1 ATP-dependent helicase CHD1
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 . 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 and Domain Family	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.