

**Anti-CHD1 Antibody (clone 1G2)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS18114****Specification**

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**Anti-CHD1 Antibody (clone 1G2) - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">O14646</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Calculated MW	196688
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

**Anti-CHD1 Antibody (clone 1G2) - Additional Information****Gene ID** 1105

Alias Symbol	<b>CHD1</b>
<b>Other Names</b>	
CHD1, ATP-dependent helicase CHD1, CHD-1	

**Target/Specificity**  
Human CHD1**Reconstitution & Storage**  
Protein A purified**Precautions**  
Anti-CHD1 Antibody (clone 1G2) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-CHD1 Antibody (clone 1G2) - Protein Information****Name** CHD1 ([HGNC:1915](#))**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 (PubMed:<a href="http://www.uniprot.org/citations/18042460" target="\_blank">18042460</a>, PubMed:<a href="http://www.uniprot.org/citations/28866611" target="\_blank">28866611</a>). Required for maintaining open chromatin and pluripotency in embryonic stem cells (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P40201}. Cytoplasm {ECO:0000250|UniProtKB:P40201}. Note=Is released into the cytoplasm when cells enter mitosis and is reincorporated into chromatin during telophase-cytokinesis. {ECO:0000250|UniProtKB:P40201}

**Tissue Location**

Expressed in many tissues including in the brain, where the highest level of expression is found in the cerebellum and basal ganglia.

**Anti-CHD1 Antibody (clone 1G2) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CHD1 Antibody (clone 1G2) - Images**