

Anti-CHD1 Antibody (clone 1G2)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18114

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O14646
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Names	1G2
Calculated MW	196688
Concentration (mg/ml)	0.3 mg/ml

Additional Information

Gene ID	1105
Alias Symbol	CHD1
Other Names	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.

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: 18042460 , PubMed: 28866611). 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.