

CHD1 (internal) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2586a**Specification**

CHD1 (internal) Antibody (internal region) - Product Information

Application	E
Primary Accession	O14646
Other Accession	NP_001261.2 , 1105 , 12648 (mouse) , 308215 (rat)
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	196688

CHD1 (internal) Antibody (internal region) - Additional Information**Gene ID** 1105**Other Names**

Chromodomain-helicase-DNA-binding protein 1, CHD-1, 3.6.4.12, ATP-dependent helicase CHD1, CHD1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CHD1 (internal) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CHD1 (internal) Antibody (internal region) - 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.

CHD1 (internal) Antibody (internal region) - 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](#)

CHD1 (internal) Antibody (internal region) - Images**CHD1 (internal) Antibody (internal region) - References**

The trithorax-group gene in Drosophila little imaginal discs encodes a trimethylated histone H3 Lys4 demethylase. Eissenberg JC, Lee MG, Schneider J, Ilvarsonn A, Shiekhattar R, Shilatfard A. Nat Struct Mol Biol. 2007 Apr;14(4):344-346. Epub 2007 Mar 11. PMID: 17351630