

CHD4 Antibody
Rabbit mAb
Catalog # AP91303**Specification****CHD4 Antibody - Product Information**

Application **WB, FC, ICC**
Primary Accession **[Q14839](#)**
Clonality **Monoclonal**

Other Names

ATP dependent helicase CHD4; CHD4; Chromodomain helicase DNA binding protein 4; Mi 2 autoantigen 218 kDa protein; Mi 2b; Mi2 beta;

Isotype **Rabbit IgG**
Host **Rabbit**
Calculated MW **218005 Da**

CHD4 Antibody - Additional Information

Dilution **WB~~1:1000
FC~~1:10~50
ICC~~N/A**

Purification **Affinity-chromatography**
Immunogen **A synthesized peptide derived from human CHD4**

Description **Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones.**

Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

CHD4 Antibody - Protein Information**Name** CHD4**Function**

ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed:28977666, PubMed:32543371). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:16428440, PubMed:17626165, PubMed:28977666, PubMed:9804427). Localizes to acetylated damaged chromatin in a

ZMYND8-dependent manner, to promote transcriptional repression and double-strand break repair by homologous recombination (PubMed:25593309). Involved in neurogenesis (By similarity).

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Associates with centrosomes in interphase (By similarity). Localizes to sites of DNA damage in a manner dependent on ZMYND8 and ZNF687 (PubMed:27732854, PubMed:28977666). {ECO:0000250|UniProtKB:Q6PDQ2, ECO:0000269|PubMed:27732854, ECO:0000269|PubMed:28977666}

Tissue Location

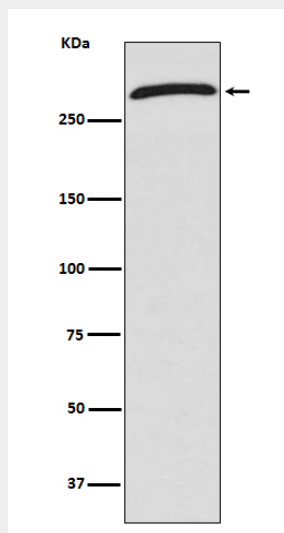
Widely expressed..

CHD4 Antibody - 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](#)

CHD4 Antibody - Images



Western blot analysis of CHD4 expression in 293T cell lysate.