

**CHD4 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52781****Specification**

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**CHD4 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IP, WB                 |
| Primary Accession | <a href="#">Q14839</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG2b                  |
| Calculated MW     | 260 KDa                |

**CHD4 Antibody - Additional Information****Gene ID** 1108**Other Names**

ATP dependent helicase CHD4;ATP-dependent helicase CHD4;CHD 4;CHD-4;CHD4;CHD4\_HUMAN; Chromodomain helicase DNA binding protein 4;Chromodomain-helicase-DNA-binding protein 4;DKFZp686E06161;Mi 2 autoantigen 218 kDa protein;Mi 2b;Mi-2 autoantigen 218 kDa protein;Mi2 beta;Mi2-beta.

**Dilution**

IP~~1:500  
WB~~1:1000

**Format**

Purified mouse monoclonal in PBS(pH 7.4)containing with 0.09% (W/V) sodium azide,50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

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

ATP-dependent helicase that binds and distorts nucleosomal DNA (PubMed:<a href="http://www.uniprot.org/citations/28977666" target="\_blank">28977666</a>, PubMed:<a href="http://www.uniprot.org/citations/32543371" target="\_blank">32543371</a>). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:<a href="http://www.uniprot.org/citations/17626165" target="\_blank">17626165</a>, PubMed:<a href="http://www.uniprot.org/citations/9804427" target="\_blank">9804427</a>, PubMed:<a href="http://www.uniprot.org/citations/16428440" target="\_blank">16428440</a>, PubMed:<a href="http://www.uniprot.org/citations/28977666" target="\_blank">28977666</a>). Localizes to acetylated damaged chromatin in a

ZMYND8-dependent manner, to promote transcriptional repression and double-strand break repair by homologous recombination (PubMed:<a href="http://www.uniprot.org/citations/25593309" target="\_blank">25593309</a>). 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:28977666, PubMed:27732854). {ECO:0000250|UniProtKB:Q6PDQ2, ECO:0000269|PubMed:27732854, ECO:0000269|PubMed:28977666}

#### Tissue Location

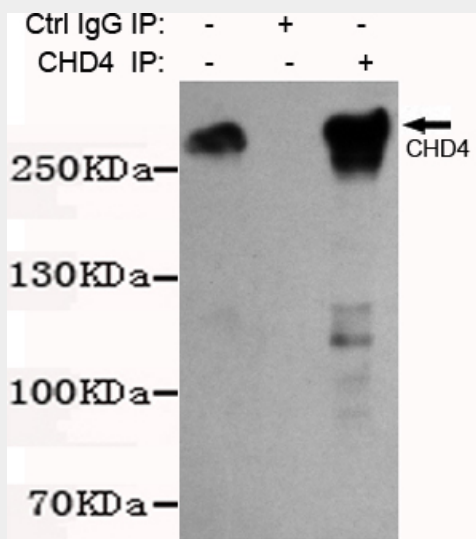
Widely expressed..

### CHD4 Antibody - Protocols

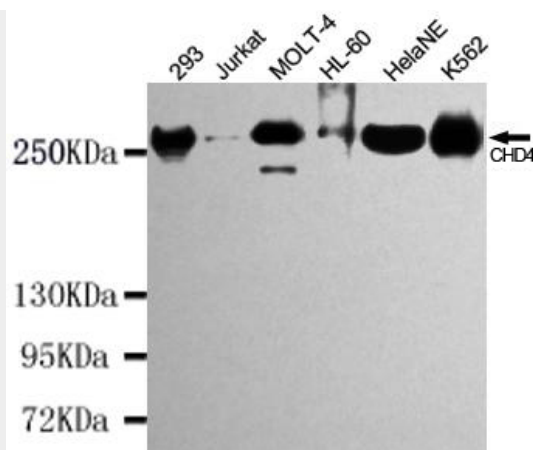
Provided below are standard protocols that you may find useful for product applications.

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

### CHD4 Antibody - Images



Immunoprecipitation analysis of K562 cell lysates using CHD4 mouse mAb.



Western blot detection of CHD4 in K562,HeLaNE,HL-60,MOLT-4,Jurkat and 293 cell lysates using CHD4 mouse mAb (1:1000 diluted).Predicted band size:260KDa.Observed band size:260KDa.

#### **CHD4 Antibody - Background**

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

#### **CHD4 Antibody - References**

Seelig H.P.,et al.Arthritis Rheum. 38:1389-1399(1995).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Tong J.K.,et al.Nature 395:917-921(1998).  
Schmidt D.R.,et al.Biochemistry 38:14711-14717(1999).  
Kim J.,et al.Immunity 10:345-355(1999).